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BACT/LAER Clearinghouse: A Compilation of Control Technology Determinations. Volume 4. Appendix H, Source Codes 7 to 12

PEI Associates, Inc., Cincinnati, OH

Prepared for:

Environmental Protection Agency, Research Triangle Park, NC

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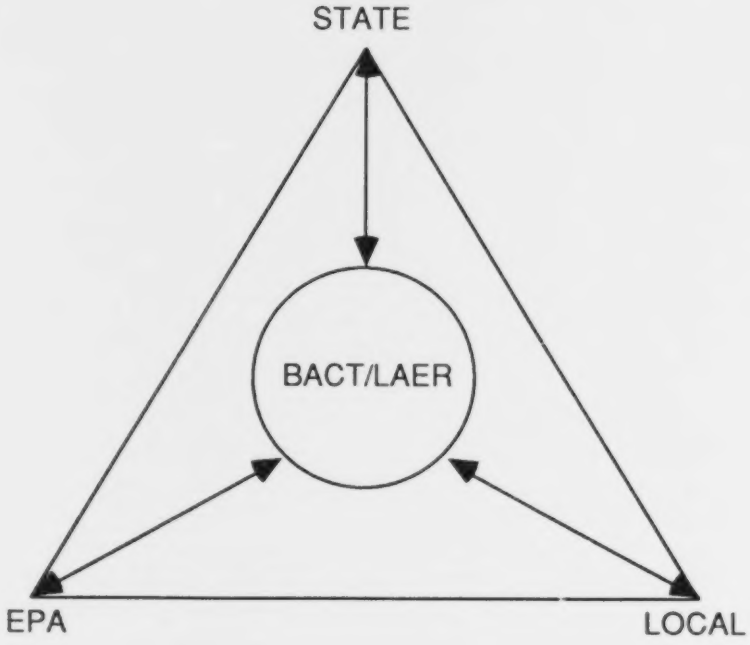
July 1990

Air

BACT/LAER CLEARINGHOUSE:

A COMPILATION OF CONTROL TECHNOLOGY DETERMINATIONS

Volume IV - Appendix H, Source Codes 7 to 12



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15. SUPPLEMENTARY NOTES

16. ABSTRACT

The Clean Air Act as amended in 1977 prescribes several technology-based limitations affecting new or modified air pollution sources: 1) new source performance standards (NSPS); 2) best available control technology (BACT); and 3) lowest achievable emission rate (LAER).

The basic purposes of the BACT/LAER Clearinghouse are to: 1) provide State and local air pollution control agencies with current information on case-by-case control technology determinations that are made nationwide and 2) promote communication, cooperation, and sharing of control technology information among the permitting agencies. The information presented in this compilation was abstracted from preconstruction permits and submitted voluntarily by the State and local air pollution control agencies. The Clearinghouse is intended as a reference for State and local agencies in making BACT/LAER decisions.

Since the 1985 BLC document was published in June of that year, annual supplements containing only those determinations inserted or revised during the previous 12 months were published. A master edition containing all new/revised determinations completed during the past 5 years was planned to be published every 5 years. This report is the 5 year compilation containing all determinations inserted or updated since June 1985.

17. KEY WORDS AND DOCUMENT ANALYSIS

a. DESCRIPTORS	b. IDENTIFIERS/OPEN ENDED TERMS	c. COSATI Field/Group
Best Available Control Technology Lowest Achievable Emission Rate Control Technology Determinations New Source Review	Air Pollution Control	

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BACT/LAER CLEARINGHOUSE: A COMPILATION OF CONTROL TECHNOLOGY DETERMINATIONS

Prepared by

Emission Standards Division

U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF AIR QUALITY PLANNING AND STANDARDS
RESEARCH TRIANGLE PARK, NORTH CAROLINA 27711

July 1990

1.a

DISCLAIMER

This report was prepared by PEI Associates, Inc., Cincinnati, Ohio, under Contract No. 68-02-4394, Work Assignment No. 46. It has been reviewed by the Emission Standards Division of the Office of Air Quality Planning and Standards, U.S. Environmental Protection Agency and approved for publication. Approval does not signify that the contents necessarily reflect the views and policies of the U.S. Environmental Protection Agency. Mention of trade names or commercial products is not intended to constitute endorsement or recommendation for use. Copies of this report are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, Virginia 22161, telephone (703) 487-4650.

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VOLUME IV

H. Detailed source listings for new determinations (continued)
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The computerized information listings contained in this report were prepared for the BACT/LAER Clearinghouse by PEI Associates, Inc., Cincinnati, Ohio. Mr. David Dunbar served as the Project Director, and Mr. Joe Steigerwald was the Project Manager. Mr. Bob Blaszczak was the EPA Technical Representative.

The project would not have been possible without the excellent cooperation of the many State and local air pollution control agencies and EPA Regional Offices who submitted the necessary technical information.

Special thanks are given to Mr. William Becker, Executive Secretary for STAPPA and ALAPCO, Mr. John Paul from the Regional Air Pollution Control Agency in Dayton, Ohio, representing ALAPCO, Robert H. Collom from the Georgia Department of Natural Resources representing STAPPA, and other State, local, and EPA Regional Office representatives that have provided recommendations, guidance, and overall support for the BACT/LAER Clearinghouse effort over the past several years.

APPENDIX H

DETAILED SOURCE LISTINGS FOR NEW DETERMINATIONS

SOURCE CODES 8-12

SOURCE TYPE/SIZE ROASTING

COMPANY NAME/SITE LOCATION HERSHEY CHOCOLATE CO. STUARTS DRAFT, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 21018
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
(804)-786-0178 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/20/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROASTER, NUT	CONFIDENTIAL				
		PM	1.0000 LB/H		
			4.2000 T/YR		
				MULTICYCLONES	90.00
CHAMBER, FUMIGATION, 2					
		MET*	15.0000 LB/D EACH		
				PROCESS CONTROLS	

NOTES --------
CONSTRUCTION OF AN ADDITIONAL NUT ROASTER. OPACITY LIMITED TO 10%. A SECOND ROASTER, PERMITTED 4/8/82, NOT INSTALLED. PM BASED ON STACK TESTING.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE FEED/GRAIN MILLS AND ELEVATORS

COMPANY NAME/SITE LOCATION ARCHER DANIELS MIDLAND CO. DECATUR, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 85 06 0030
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRISTOPHER ROMAINE (AGENCY CONTACT PERSON)
(217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/07/85
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMBUSTION UNIT, FLUIDIZED BED,*	496.00 MMBTU/H	SO2	1.2000 LB/MMBTU	CIRCULATING LIMESTONE BED	90.00
		NOX	0.6000 LB/MMBTU	CIRCULATING LIMESTONE BED	
		BE	0.0300 LB PM/MMBTU	BAGHOUSE	
		CO	0.2500 LB/MMBTU	DESIGN	

NOTES --------
SO2 LIMIT IS A 30 DAY ROLLING AVERAGE. BERYLLIUM IS CONTROLLED BY PM CONTROL REQUIREMENTS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

SOURCE TYPE/SIZE: FEED/GRAIN MILLS AND ELEVATORS

COMPANY NAME/SITE LOCATION: BABCOCK & WILCOX, LAUHOFF GRAIN — DANVILLE, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 85 11 0014
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRISTOPHER ROMAINE (AGENCY CONTACT PERSON)
(217)-782-2113 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/18/86
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	309.00 MMBTU/H				
		PM	0.0500 LB/MMBTU	BAGHOUSE	
		SO2	0.8000 LB/MMBTU	LIMESTONE FLUIDIZED BED	90.00
		NOX	0.6000 LB/MMBTU	DESIGN	
		CO	200.0000 PPM	DESIGN	
BOILER, GAS/OIL FIRED	237.00 MMBTU/H				
		PM	0.0200 LB/MMBTU	FUEL	
		SO2	0.3000 LB/MMBTU, OIL	FUEL	
		NOX	0.3000 LB/MMBTU	FUEL/OPERATION	
		CO	200.0000 PPM	FUEL/OPERATION	
TURBINE	223.00 MMBTU/H				
		PM	0.0200 LB/MMBTU	FUEL	
		SO2	0.3000 LB/MMBTU, OIL	FUEL	
		NOX	0.5500 LB/MMBTU	FUEL/OPERATION	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

(CONTINUED) BABCOCK & WILCOX, LAUHOFF GRAIN

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		CO	200.0000 PPM	FUEL/OPERATION	
MATL HANDLING, LIMESTONE & ASH					
		PM	0.0300 GR/CF	BAGFILTER	
MATL HANDLING, COAL					
		PM		ENCLOSURE, WET DUST SUPPRESSION	

NOTES --------
SO2 & NOX LIMITS ARE ON A 24 HOUR AVERAGE BASIS. SO2 EFFIENCY DEPENDS ON SPECIFIC COAL SUPPLY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 04/20/1987

SOURCE TYPE/SIZE: FEED/GRAIN MILLS AND ELEVATORS

COMPANY NAME/SITE LOCATION: GRAIN PROCESSING CORP. MUSCATINE, IA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY)
JON KNODEL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/11/86
ESTIMATED DATE OF START-UP--
(913)-551-7020 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS FIRED, 2 EA	169.00 MMBTU/H	NOX	0.2500 LB/MMBTU, 24 H AVG BOILER DESIGN	BACT

NOTES --------
BOILERS MFG IN 1972. TO BE RELOCATED TO THE PLANT. DEMINIMIS RE- SO2, PB, CO, VOC.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: FERMENTATION AND ALCOHOLIC BEVERAGES

COMPANY NAME/SITE LOCATION: ANHEUSER-BUSCH — CARTERSVILLE, GA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2082-008-9777
DETERMINATION MADE BY GEORGIA EPD (AGENCY) — CURT CHURCHILL (AGENCY CONTACT PERSON) — (404)-656-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/09/88
ESTIMATED DATE OF START-UP-- 1992

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS/OIL FIRED, 4 EA	99.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		BACT
		NOX	0.3000 LB/MMBTU, GAS		BACT
			0.4000 LB/MMBTU, OIL		
				LOW EXCESS AIR	

NOTES --------
FACILITY TO HAVE FOUR BOILERS, EACH RATED AT 99 MMBTU/H HEAT INPUT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE FERMENTATION AND ALCOHOLIC BEVERAGES

COMPANY NAME/SITE LOCATION ANHEUSER-BUSCH CO. WILLIAMSBURG, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 60152
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/07/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO, STORAGE/PRESSURE VESSELS	10.00 T/H				
		PM10	0.8000 LB/H 3.3000 T/YR		
				BAGHOUSE	99.70
BIN, WEIGH/TANK, SLURRY	5.00 T/H				
		PM10	0.4000 LB/H 1.7000 T/YR		
				BAGHOUSE	99.70

NOTES --------
TWO SILO/PRESSURE VESSEL SYSTEM WILL BE INSTALLED. DIATOMACEOUS EARTH IS TRANSFERRED IN BULK FROM RAIL CARS TO SILOS, THEN CONVEYORED TO WEIGH BIN VIA PRESSURE VESSEL. AFTER WEIGHING, DIATOMACEOUS EARTH IS ADDED TO WATER TO MAKE SLURRY. THE DIATOMACEOUS EARTH SLURRY IS USED FOR BEER FILTRATION. OPACITY MEASURMENTS TO BE TAKEN. THE DIATOMACEOUS EARTH IS PARTICULATE, ASSUMED TO BE 100% PM10.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: FERMENTATION AND ALCOHOLIC BEVERAGES — 31.00 MMBBL/YR

COMPANY NAME/SITE LOCATION: HUDEPOHL BREWING CO. — CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-967
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
HARRY SCHWIETERING (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1986
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, EXPERIMENTAL, ROT CASCA*	11.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		BACT
				BAGHOUSE	99.00
		SO2	0.8300 LB/MMBTU		BACT
				LIMESTONE INJECTION	89.50
		NOX	0.6400 LB/MMBTU		BACT
				SYSTEM DESIGN	
		VE	10.0000 % OPACITY		BACT

NOTES --------
EMISSION LIMITS SUBJECT TO REVISION PENDING STACK TEST RESULTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1986

SOURCE TYPE/SIZE: FERTILIZER PLANTS

COMPANY NAME/SITE LOCATION: COAL GASIFICATION, INC. GIRARD, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 87 07 0005
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRISTOPHER ROMAINE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/29/88
ESTIMATED DATE OF START-UP-- 1991
(217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, SULFURIC ACID	700.00 T/D	SO2	4.0000 LB/T	ACID PLANT TECHNOLOGY	NSPS
		ACI*	0.1500 LB/T	ACID PLANT TECHNOLOGY	NSPS
		VE	10.0000 % OPACITY	ACID PLANT TECHNOLOGY	NSPS
		NOX	13.9000 LB/H		
SCRUBBER, WASTE CO2 WATER		CO	1042.0000 LB/H		
HEATER, NAT GAS/FUEL GAS, 2	103.50 MMBTU/H	NOX	0.1000 LB/MMBTU	LOW NOX BURNER	
HEATER, START UP, NAT GAS FIRED*	10.60 MMBTU/H	NOX	0.1000 LB/MMBTU	LOW NOX BURNER	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: STARCH MANUFACTURING

COMPANY NAME/SITE LOCATION: ARCHER DANIELS MIDLAND CO. — CEDAR RAPIDS, IA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY)
DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/21/86
ESTIMATED DATE OF START-UP--
(913)-551-7020 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, 2 EA	551.50 MMBTU/H				
		NOX	0.4000 LB/MMBTU, 30 D AVG	BOILER DESIGN	BACT
		SO2	0.8500 LB/MMBTU, 30 D AVG		BACT
			1.0300 LB/MMBTU, 3 H ROLLING AVG	FBC, LIMESTONE	90.00
		CO	0.2000 LB/MMBTU, 3 H AVG	BOILER OPERATION	BACT
		F	1.5000 LB/H, 3 H AVG		BACT

NOTES --------
TWO CIRCUL. FLUIDIZED BED COMBUSTION BOILERS, CFBC. IA COAL, 3.8% S, TO BE USED. NONATTAINMENT AREA RE- PM. A BAGHOUSE WILL BE USED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: STARCH MANUFACTURING

COMPANY NAME/SITE LOCATION: HUBINGER CO. KEOKUK, IA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY)
DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/23/86
ESTIMATED DATE OF START-UP--
(913)-551-7020 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, TG/SS	207.90 MMBTU/H	NOX	0.6000 LB/MMBTU, 3 H AVG	BOILER DESIGN	BACT
		CO	0.2000 LB/MMBTU, 3 H AVG	BOILER OPERATION	BACT

NOTES --------
A TRAVELING-GRATE SPREADER STOKER W/AIR PREHEAT. DEMINIMIS SO2, PM, TRACE ELEM. SO2 FROM EXISTING BOILERS WILL BE REDUCED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

ID NUMBER IA-0014

SOURCE TYPE CODE 7.7

SOURCE TYPE/SIZE FATS/VEGETABLE OILS

COMPANY NAME/SITE LOCATION ARCHER DANIELS MIDLAND CO. DES MOINES, IA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY)
JON KNODEL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/13/87
ESTIMATED DATE OF START-UP--
(913)-551-7020 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, MFBC	192.00 MMBTU/H	NOX	0.5000 LB/MMBTU, 30 D AVG BOILER DESIGN	BACT
		SO2	0.8500 LB/MMBTU, 30 D AVG 0.9300 LB/MMBTU, 24 H AVG FBC, LIMESTONE	BACT 90.00
		BE	1.4000 EE-6 LB/MMBTU, 3 H AVG	BACT

NOTES ---------
A MULTIBED FLUID. BED COMBUSTION BOILER. IA COAL WILL BE USED, 3.8%. NONATTAINMENT RE- PM & CO. DEMINIMIS RE- OTHER POLLUTANTS

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE FATS/VEGETABLE OILS

COMPANY NAME/SITE LOCATION CARGILL, INC. SIOUX CITY, IA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY)
DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/03/85
ESTIMATED DATE OF START-UP--
(913)-551-7020 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, SS	96.00 MMBTU/H				
		NOX	0.5500 LB/MMBTU, 3 H AVG	BOILER DESIGN	BACT
		SO2	1.2000 LB/MMBTU, 24 H ROLLING AVG	LOW S COAL	NAAQ

NOTES --------
A SPREADER STOKER W/AIR PREHEATER. DEMINIMIS PM, CO, & OTHER POLLUTANTS. UPDATE- CONSTRUCTION APPARENTLY NOT COMMENCED, AS OF 8/01/87.
MAY 1988 - SOURCE NOT CONSTRUCTED. PERMIT IS NO LONGER VALID.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/03/1988

SOURCE TYPE/SIZE: FRUITS/VEGETABLES PROCESSING

COMPANY NAME/SITE LOCATION: ALEX FOODS
ALEX SNACKS DIVISION
, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 146365
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
PAUL LIU (AGENCY CONTACT PERSON)
(818)-572-6317 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/08/86
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FRYER	4.00 MMBTU/H	PM	8.0000 LB/D	GREASE FILTER, ESP, DEMISTER	BACT

NOTES --------
THE CONTROL EQUIPMENT IS AN EXISTING DEVICE, NO ADDITIONAL COST IS INVOLVED. THE SUBJECT FRYER REPLACES AN OLD FRYER OF SMALLE
R CAPACITY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/02/1988

SOURCE TYPE/SIZE: FRUITS/VEGETABLES PROCESSING — 495000.00 T/YR

COMPANY NAME/SITE LOCATION: CARGILL, INC. HWY 13 — SAVAGE, MN

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 77AB-86-OT-1
DETERMINATION MADE BY MINNESOTA PC (AGENCY)
GEORGE VASILAKES (AGENCY CONTACT PERSON)
(612)-296-7597 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/09/86
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
EXTRACTOR, VENT	495000.00 T/YR	VOC	SEE NOTES
DRYER, MEAL	396000.00 T/YR	VOC	SEE NOTES
COOLER, MEAL	396000.00 T/YR	VOC	SEE NOTES
EXTRACTOR BLDG, VENTS	495000.00 T/YR	VOC	SEE NOTES INSTALL TIGHT SEALS ON DOORS

NOTES --------
THE EMISSION LIMITS ARE 2.9 LB/TON AVERAGED OVER A 24 HOUR PERIOD & 2.0 LB/TON AVERAGED OVER A 30 DAY PERIOD. EMISSIONS ARE TO TAL FOR ALL PROCESSES. EMITTED AS HEXANE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/29/1988

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: AMERICAN CRYSTAL SUGAR CO. — HILLSBORO, ND

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. X75001
DETERMINATION MADE BY NORTH DAKOTA SHD (AGENCY) — TOM BUCHMAN (AGENCY CONTACT PERSON) — (704)-224-2348 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/06/85
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, 2	475.00 MMBTU/H				
		NOX	0.6000 LB/MMBTU		B/N
		PM	0.0500 LB/MMBTU		NSPS
				ESP	98.50
		SO2	3.0000 LB/MMBTU		SIP
DRIER, PULP	215.00 MMBTU/H				
		NOX	65.2500 LB/H		BACT

NOTES --------
SUGAR BEET PROCESSING PLANT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: ANDERSON CLAYTON FOODS — JACKSONVILLE, IL

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 84 03 0035
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
CHRISTOPHER ROMAINE (AGENCY CONTACT PERSON)
(217)-782-2113 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/11/85
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	110.00 MMBTU/H				
		PM	0.0500 LB/MMBTU		
				FABRIC FILTER	99.00
		SO2	1.2000 LB/MMBTU		BACT
				FLUIDIZED LIMESTONE BED	85.00
		NOX	0.6000 LB/MMBTU		BACT
				EQUIPMENT DESIGN	
		CO		SEE NOTES	BACT
				EQUIPMENT DESIGN	
		BE		SEE PM LIMITS	
				FABRIC FILTER	

NOTES --------
PM - PROJECT NOT A MAJOR MODIFICATION FOR PM. EMISSIONS CONDITION TO BELOW SIP. PM CONTROLS DO REPRESENT BACT FOR BERYLLIUM EMISSIONS. CO - CO EMISSION LIMIT TO BE REFINED BASED ON TRAIL OPERATION, 400 PPM CEILING FOR CONSTRUCTION PERMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL — 2.37 T/H

COMPANY NAME/SITE LOCATION: AUTOMATIC ROLLS OF VIRGINIA, INC. — FEDERICKSBURG, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (7)40761
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/19/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL UNLOADING, FLOUR, 3 SILOS	20.00 T/H	PM		BAGHOUSE, FABRIC FILTER	99.70
SCALING SYSTEM, FLOUR	4.50 T/H	PM		BAG FILTER, SEE NOTES	99.97
OVEN	2.37 T/H	VOC	13.8000 LB/H 23.0000 T/YR	PERMIT CONDITION, STACK TEST	NOTE

NOTES --------
VOC CONTROL IS WAIVED. DETERMINATION BASED ON ABSENCE OF EXISTING EXAMPLES OF VOC CONTROLS OF BREAD BAKING OVENS, EXCEPT FOR O NE TEST INSTALLIATION, & ON UNREASONABLE COSTS. VOC EMITTED IS ETHANOL. BAG FILTER LOCATED WITHIN PLANT BUILDING. VOC EMISSION LIMITS BASED ON PROCESS-DEPENDENT EMISSION FACTOR DEVELOPED BY AMERICAN INSTITUTE OF BAKERS, CONT RA AP 42.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL — 3.00 T/H

COMPANY NAME/SITE LOCATION: CALIFORNIA ALMOND GROWERS EXCHANGE , CA — KERN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 3080004
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY) — TOM PAXSON (AGENCY CONTACT PERSON) — (805)-861-3682 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/24/86
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SEPERATOR, PNEUMATIC, ALMOND SH*	3.00 T/H				
		PM	0.0050 GR/SCF		BACT
			14.8100 LB/D		
				BAGHOUSE W/CARTRIDGE TYPE REVERSE AIR PULSE JET	99.99

NOTES --------
OPERATES 24 H/D, 365 D/YR

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: CARGILL. INC. , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 186263,5,7,9,73
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
J. HENNINGER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/26/89
ESTIMATED DATE OF START-UP-- 1990
(714)-872-6069 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. HANDLING, GRAIN, RECEIV &*	6000.00 T/D	PM	150.0000 LB/D	BAGHOUSE	BACT
MATL. HANDLING, FLOUR, BAGGING *	500.00 T/D	PM	150.0000 LB/D	BAGHOUSE	BACT
MATL. HANDLING, FEED LOAD OUT	520.00 T/D	PM	150.0000 LB/D	BAGHOUSE	BACT
MATL. HANDLING, GRAIN	815.00 T/D	PM	28.7000 LB/D	BAGHOUSE	BACT
MATL. HANDLING, GRAIN	815.00 T/D	PM	150.0000 LB/D		BACT
MATL. HANDLING, FEED, PROCESS &*	235.00 T/D	PM	150.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION CENEX AGRI-FUELS HALHALLA, ND

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 086005
DETERMINATION MADE BY NORTH DAKOTA SHD (AGENCY)
TOM BACHMAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/22/86
ESTIMATED DATE OF START-UP-- 1986
(701)-224-2348 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	87.00 MMBTU/H	SO2	1.7900 LB/MMBTU	NONE	BACT
		NOX	0.5800 LB/MMBTU	NONE	BACT
		PM	0.0330 LB/MMBTU	MULTICLONE/BAGFILTER	SIP 99.98

NOTES --------
ETHANOL PRODUCTION PLANT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

ID NUMBER ND-0005

SOURCE TYPE CODE 7.12

SOURCE TYPE/SIZE OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION CUSTOM SEED CO. , TX

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9783
DETERMINATION MADE BY TEXAS ACB (AGENCY)
JOHN ARGUBRIGHT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/19/85
ESTIMATED DATE OF START-UP-- 1985
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SEED CLEANER	1500.00 T/YR	PM	0.2900 T/YR	CYCLONE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: DARLING-DELAWARE CO., INC. , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 186623
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
M. HICKSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(818)-572-6121 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, RENDERING, SEE NOTE	114000.00 LB/H				
		PM	150.0000 LB/D	AFTERBURNER/VENTURI SCRUBBER, SEE NOTE	BACT 90.00

NOTES --------
RENDERING PLANT - DUPPS, COOKERS, CONDENSERS, PRESSES, ETC. CONTROLS ARE AFTERBURNER/WASTE HEAT BOILER - SPENCER & VENTURI SCR UBBER - SCP CONTROL, INC.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: DELANO GROWERS GRAPE PRODUCTS , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 3046004A
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, OIL FIRED	32.00 MMBTU/H	NOX	10.6000 LB/H	LOW NOX BURNER, AUTO O2 TRIM RECIRCULATED FLUE GAS	20.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: FRITO-LAY , CA

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. 3082016
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)

TOM PAXSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/17/86
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FRYER, VEGATABLE OIL, & SALTER	31087.00 LB/H RAW	VOC	3.0700 LB/H VENTURI SCRUBBER	LAER 96.50

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: FRITO-LAY, INC. — KATHLEEN, GA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2099-076-9229
DETERMINATION MADE BY GEORGIA EPD (AGENCY)
CURT CHURCHILL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/24/86
ESTIMATED DATE OF START-UP-- 1988
(404)-656-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, 2 EA	75.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		BACT
				BAGHOUSE	99.00
		NOX	0.7000 LB/MMBTU		BACT
				BOILER DESIGN & EXCESS AIR CONTROL	
		SO2	1.0000 % SULFUR COAL		BACT
				LOW S COAL	
		VE	20.0000 % OPACITY		SIP

NOTES --------
PERMIT ISSUED FOR AN ENTIRE SNACK FOOD MFG FACILITY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: FRITO-LAY, INC. FRANKFORT, IN

DETERMINATION IS
PERMIT NO. PC (12) 1603
DETERMINATION MADE BY INDIANA DEM (AGENCY)

JOSEPH FOYST (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/04/86
ESTIMATED DATE OF START-UP--
(317)-232-8428 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, NAT GAS FIRED	33.50 MMBTU/H	NOX	SEE NOTES	LOW NOX BURNER	BACT
OVEN, NAT GAS FIRED, 10 EA	42.00 MMBTU/H	NOX	0.1400 LB/MMBTU	LOW NOX BURNER	BACT

NOTES --------
TOTAL EMISSIONS FROM BOILER & OVENS IS 300 T/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL — 200.00 LB/H

COMPANY NAME/SITE LOCATION: GENERAL MILLS — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-385
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — DALE KRYGIELSKI (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/28/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONVEYOR, PNEUMATIC	200.00 LB/H	PM	0.6000 LB/H FABRIC FILTER	SIP 99.99

NOTES --------
CONVEY SUGAR

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL — 71.50 MMBTU/H

COMPANY NAME/SITE LOCATION: GENERAL MILLS, INC. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-355
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
(419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/07/87
ESTIMATED DATE OF START-UP-- 1984

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, OIL FIRED	71.50 MMBTU/H	PM	0.1000 LB/MMBTU	ONLY 2 OF 4 BOILERS FIRED M/OIL FUEL LIMIT-1.4 MMGAL/YR #6 OIL	SIP
		NOX	0.0140 LB/MMBTU	ONLY 2 OF 4 BOILERS FIRED M/OIL FUEL LIMIT-1.4 MMGAL/YR #6 OIL	SIP
		SO2	1.0000 LB/MMBTU	ONLY 2 OF 4 BOILERS FIRED M/OIL FUEL LIMIT-1.4 MMGAL/YR #6 OIL	SIP

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL — 500.00 GAL

COMPANY NAME/SITE LOCATION: GENERAL MILLS, INC. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-357
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/13/86
ESTIMATED DATE OF START-UP-- 1985
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SLURRY KETTLE, COCOA-SUGAR	500.00 GAL	PM	0.5000 LB/BATCH 0.2700 T/YR CYCLONIC SCRUBBER	SIP 95.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL — 6600.00 LB/H

COMPANY NAME/SITE LOCATION: GENERAL MILLS, INC. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-523
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
(419)-693-0350 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, PELLET, 2 EA	3300.00 LB/H				
		PM	0.5000 LB/H EA		BACT
				CYCLONE/SCRUBBER	97.50
		NOX	0.4000 LB/H EA		BACT
				LOW NOX BURNERS	
		CO	0.0800 LB/H EA		BACT
		VOC	0.0200 LB/H EA		BACT
ENROBER, VITAMIN	7590.00 LB/H				
		PM	0.2000 LB/H		BACT
				WET SCRUBBER	95.00
DRYER, FINISH	7500.00 LB/H				
		PM	0.6000 LB/H		BACT
				STEAM HEATED	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: HONEYVILLE GRAIN, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 186462 THRU 64
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

MOHAN BALAGAPALAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/26/89
ESTIMATED DATE OF START-UP-- 1989
(714)-872-6066 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GRAIN CLEANER		PM	150.0000 LB/D	BAGHOUSE	BACT
MATL. HANDLING, GRAIN TRANSFER *		PM	150.0000 LB/D	BAGHOUSE	BACT
MATL. HANDLING, GRAIN CLEANING *		PM	150.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: J. G. BOSWELL CO. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 8502
DETERMINATION MADE BY KINGS COUNTY APCD (AGENCY)
MARTIN KEAST (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/05/85
ESTIMATED DATE OF START-UP-- 1985
(209)-584-1411 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FACILITY, COTTON GIN	100.00 BALES/H				
		PM	0.1000 GR/SCF	13-3D CYCLONE COLLECTORS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

ID NUMBER CA-0142

DATE ENTERED/UPDATED: 06/04/1986

SOURCE TYPE CODE 7.12

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL — 0.20 T/BATCH

COMPANY NAME/SITE LOCATION: PARK 500 - DIVISION OF PHILIP MORRIS — CHESTERFIELD, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 50722
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/12/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REGENERATOR	0.20 T/BATCH				
		VOC	0.1000 LB/H 0.4400 T/YR	AFTERBURNER	99.00

NOTES --------
CONSTRUCTION OF A SPENT ADSORBENT REGENERATOR. TESTING NOT REQUIRED DUE TO THE EXISTENCE OF ADEQUATE DATA. VOC EMITTED AS NICOTINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: PEPPERIDGE FARM, INC. — EAST COCALICO TWP, PA — LANCASTER COUNTY

DETERMINATION IS BAT FOR A NEW SOURCE.
PERMIT NO. 36-317-183 THRU 187
DETERMINATION MADE BY PENNSYLVANIA BAQC (AGENCY)

HARTWIN HEISS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/04/89
ESTIMATED DATE OF START-UP-- 1992
(717)-657-4587 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL HANDLING	50000.00 LB/H	PM	0.0200 GR/DSCF	FABRIC COLLECTOR	BAT 99.90
OVEN, CRACKER, 2 EA	2500.00 LB/H	VOC		SEE NOTES THERMAL INCINERATOR	BAT 86.00
OVEN, BREAD	8000.00 LB/H	VOC		SEE NOTES THERMAL INCINERATOR	BAT 72.00
OVEN, ROLL	6000.00 LB/H	VOC		SEE NOTES THERMAL INCINERATOR	BAT 95.00
OVEN, HEARTH	3000.00 LB/H	VOC		SEE NOTES THERMAL INCINERATOR	BAT 95.00

NOTES --------
VOC CONTROL IS COMBINATION OF CONTROLLING STACKS W/MOST EMISSIONS. CRACKER OVENS, EACH - 2 OF 5 STACKS, 90% COLL. BREAD OVENS - 1 OF 3 STACKS, 76% COLL. ROLL OVEN - 2 STACKS, 100% COLL. HEARTH OVEN - 1 STACK, 100% COLL. TABLE EFF. ARE OVERALL,=(DEST)(COLL). AGGREGATE VOC CONTROL=86%, UNCONTROLLED POTENTIAL=298.8 TPY, MAX ACTUAL=42.2 TPY, EXPECTED ACTUAL=23.6 TPY. LANCASTER COUNTY IS NON-ATTAINMENT FOR OZONE. CAPACITY IS DOUGH THROUGHPUT. BAT=BEST AVAILABLE TECHNOLOGY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE OTHER FOOD & AGRICULTURAL 2.50 T/YR

COMPANY NAME/SITE LOCATION PHILIP MORRIS, USA , VA
CHESTERFIELD COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 50722
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/24/87
ESTIMATED DATE OF START-UP-- 1989
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL PROCESSING, TOBACCO	2.50 T/H				
		PM	0.2500 LB/H		
			1.0000 T/YR		
				WET SUPPRESSION	40.00
		VOC	3.0000 LB/H		
			12.6000 T/YR		
				SCRUBBER	90.00
REGENERATOR, ADSORBENT	0.20 T/H				
		PM	0.1000 LB/H		
			0.0200 T/YR		
CONVEYOR	2.90 T/H				
		PM	0.2000 LB/H		
			0.8000 T/YR		
		VOC	5.0000 EE-4 LB/H		
				AFTERBURNER	99.00

NOTES --------
CONSTRUCTION OF A TOBACCO TREATMENT FACILITY. THE APPROVED FUEL FOR THE AFTERBURNER IS LIQUID PETROLEUM GAS. VOC IS EMITTED AS NICOTINE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION SMUD/CAMPBELL SOUP CO. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 8585-8586
DETERMINATION MADE BY SACRAMENTO APCD (AGENCY)

BRUCE NIXON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/09/88
ESTIMATED DATE OF START-UP--
(916)-386-6623 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GE FRAME 7	80.00 MW	NOX	1734.0000 LB/D 25.0000 PPMVD AT 15% O2	STEAM/H2O INJECTION	BACT

NOTES --------
CEM REQUIRED FOR NOX & O2. LB/H, LB/D, & T/YR EMISSION LIMITS FOR COMBINED TOTAL OF THIS TURBINE & 4 BOILERS DETAILED IN CA-02 90.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: SMUD/CAMPBELL SOUP CO. , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 8577-8584
DETERMINATION MADE BY SACRAMENTO APCD (AGENCY)
BRUCE NIXON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/08/88
ESTIMATED DATE OF START-UP--
(916)-386-6623 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 4 EA	100.00 MMBTU/H	NOX	1734.0000 LB/D		BACT
			40.0000 PPMVD AT 3% O2		
				LOW NOX BURNERS	
				FLUE GAS RECIRCULATION	

NOTES --------
CEM REQUIRED FOR NOX & O2. LB/H, LB/D, & T/YR EMISSION LIMITS FOR COMBINED TOTAL OF THIS TURBINE & 4 BOILERS DETAILED IN CA-02 91.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: STAR-KIST FOODS, INC.
PET FOODS PRODUCTION LINES , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 175505 THRU 6, 182852, 183073
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
MERRILL HICKMAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/30/89
ESTIMATED DATE OF START-UP-- 1989
(818)-571-5170 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MFG LINE, WET CAT FOOD	30000.00 LB/H				
		PM	0.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL

COMPANY NAME/SITE LOCATION: TAPCO — NEVILLE TOWNSHIP, PA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 88-I-0027-P
DETERMINATION MADE BY ALLEGHENY COUNTY APCB (AGENCY) — J. GRAHAM (AGENCY CONTACT PERSON) — (412)-578-8116 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/01/88
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RENDERING	20.00 T/H	ODOR	NO ODOR BEYOND PROPERTY LINE	BACT
			LOW PRESSURE VENTURI/CHEMICAL PACKED TOWER SCR*	95.00

NOTES --------
REPLACEMENT OF ATOMIZED CHEMICAL FOG "SCRUBBER" CHAMBER.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/17/1989

SOURCE TYPE/SIZE: OTHER FOOD & AGRICULTURAL — 2763600.00 GAL

COMPANY NAME/SITE LOCATION: TRANSOHIO TERMINAL CORP. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-337
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — WILLIAM GARBER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/06/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK	2.76 MMGAL	NH3	MINIMAL SUBMERGED FILL	SIP

NOTES --------
FERTILIZER STORAGE

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION: FRONTIER ALUMINIUM , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 186800
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
MOHAN BALAGAPALAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/25/89
ESTIMATED DATE OF START-UP--
(714)-872-6066 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, AUTOMATED, AL EXT*		ROC	75.0000 LB/D	REACTIVE OXIDATION SYS	BACT

NOTES --------
COATING EQUIPMENT COMPLIES WITH DISTRICT RULE 1107 BY EQUIVALENCY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION: GRANITE CONSTRUCTION CO. , CA KERN COUNTY

DETERMINATION IS
PERMIT NO. 1008007D
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)

TOM PAXSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/16/86
ESTIMATED DATE OF START-UP-- 1983
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT BATCH	190.00 MMBTU/H	SO2	199.2000 LB/D 4008.0000 GAL/D AT 0.7% S MAX	ADJ. CONE ORIFICE WET SCRUBBER & SPRAY CHAMBER	50.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1986

SOURCE TYPE/SIZE: PRIMARY ALUMINUM PRODUCTION

COMPANY NAME/SITE LOCATION: LUXFER USA LIMITED , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 136470
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
S. FLEISHER (AGENCY CONTACT PERSON)
(714)-872-4065 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/18/85
ESTIMATED DATE OF START-UP-- 1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLAST MACHINE, SHOT		PM	75.0000 LB/D	CYCLONE	90.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/16/1990

SOURCE TYPE/SIZE PRIMARY ALUMINUM PRODUCTION 380.00 T/H

COMPANY NAME/SITE LOCATION PECKHAM MATERIALS CORP. NEW MILFORD, CT

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 130-0020
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
ALFRED CONKLIN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/24/85
ESTIMATED DATE OF START-UP-- 1985
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT BATCH	3150.00 T/D	PM	0.0200 GR/ACF	FABRIC FILTER	LAER 99.90
		SO2	0.5000 % SULFUR FUEL	FUEL RESTRICTIONS	BACT
		VE	20.0000 % OPACITY		

NOTES ---------
BURNER FIRING RATE = 796.0 GALLONS/HOUR #2 OR #4 OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE PRIMARY ALUMINUM PRODUCTION 0.24 T/H

COMPANY NAME/SITE LOCATION REFRACTORY SYSTEM, INC. SOUTH HILL, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30800
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

KATHERINE MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/24/85
ESTIMATED DATE OF START-UP-- 1985
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRIER, WARM AIR H2O EVAPORATING	0.24 T/H	PM	0.3800 T/YR	MATERIAL BALANCE, SEE NOTE 2	100.00
		VOC	2.4000 T/YR	MATERIAL BALANCE, SEE NOTE 2	100.00
MATL. HANDLING & FINISHING	0.24 T/H	PM	0.3800 T/YR	MATERIAL BALANCE, SEE NOTE 2	100.00
MACHINING	0.06 T/H	PM	0.3800 T/YR	MATERIAL BALANCE, SEE NOTE 2	100.00

NOTES --------
NOTE 1 - TO CONSTRUCT & OPERATE A REFRACTORY FORM MANUFACTURING FACILITY. NOTE 2 - EMISSIONS CONTROLLED BY BAGHOUSE & PROCESS TOTALLY ENCLOSED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE: COKE PRODUCTION — 57.00 OVENS

COMPANY NAME/SITE LOCATION: TOLEDO COKE CORP. , OH

DETERMINATION IS
PERMIT NO. 04-491
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
WILLIAM GARBER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL UNLOADING, RAILCAR	200.00 T/H				
		PM	0.1200 LB/T		BACT
				PARTIAL ENCLOSURE	70.00
CONVEYOR, COAL	200.00 T/H				
		PM	0.0008 LB/T		BACT
				COMPLETE ENCLOSURE	99.00
MATL LOADING, PILE	200.00 T/H				
		PM	0.0230 LB/T		BACT
				TELESCOPIC CHUTE	75.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: PRIMARY COPPER SMELTING — 550.00 T/D

COMPANY NAME/SITE LOCATION: CYPRUS CASA GRANDE CORP. , AZ
TOHONO O'ODHAM INDIAN RESERVATION

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. AZP 87-01
DETERMINATION MADE BY EPA REGION IX (AGENCY)
LINH TRAN (AGENCY CONTACT PERSON)
(415)-974-7631 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/18/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, COPPER ROASTER	550.00 T/D				
		SO2	165.0000 LB/H		
			650.0000 PPM, 1 HOUR		
		SO2	600.0000 PPM, 24 HOUR		
			500.0000 PPM, ANNUAL		
				ESP/CYCLONES/VENTURI SCRUBBER	
				MIST ELIMINATOR/ALKALI SCRUBBER	
		PM	5.5600 LB/H		
				ESP/CYCLONES/VENTURI SCRUBBER	
				MIST ELIMINATOR/ALKALI SCRUBBER	
		PM10	5.5600 LB/H		
				ESP/CYCLONES/VENTURI SCRUBBER	
				MIST ELIMINATOR/ALKALI SCRUBBER	

NOTES --------
PLANT INCLUDES AN UNDERGROUND COPPER BLEACHING OPERATION, CONCENTRATE PREPARATION SYSTEM, TWO FLUIDIZIED BED CONCENTRATE ROASTERS WITH AN ASSOCIATED BLEACH & ACID PLANT, A SOLVENT EXTRACTION PLANT, & AN ELECTROWINNING PLANT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 30.00 T/H

COMPANY NAME/SITE LOCATION: ARMCO, INC. — MIDDLETOWN, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-736
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY) — THOMAS TUCKER (AGENCY CONTACT PERSON) — (513)-251-8777 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/31/85
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECTROGALVANIZING LINE	30.00 T/H STEEL C*	PM	0.0100 GR/DSCF	BACT
			DEMISTER, PACKED COLUMN SCRUBBER	90.00

NOTES --------
CONTROL EQUIPMENT CHOSEN BASED ON COST & PHYSICAL CHARACTERISTICS OF THE EMISSION STREAM.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 950000.00 T/YR

COMPANY NAME/SITE LOCATION: ATLANTIC STEEL CO. — CARTERSVILLE, GA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 3313-008-10105
DETERMINATION MADE BY GEORGIA EPD (AGENCY)
CURT CHURCHILL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/06/89
ESTIMATED DATE OF START-UP-- 1989
(404)-656-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, ARC	92.00 T/H				
		PM	0.0052 GR/DSCF		BACT
				FABRIC FILTER	99.00
		PM	0.0036 GR/DSCF		BACT
				FABRIC FILTER	99.00
		CO	60.0000 PPM, 8H AVG		BACT
				COMBUSTION	50.00
		PB	0.0002 GR/DSCF		BACT
				FABRIC FILTER	99.00
		VE	3.0000 % OPACITY		NSPS
				FABRIC FILTER	
		VE	6.0000 % OPACITY		NSPS
				FABRIC FILTER	
		VE	10.0000 % OPACITY		NSPS
				FABRIC FILTER	

NOTES --------
PM STANDARD FOR DIRECT SHELL EVACUATION IS 0.0052 GR/DSCF, FOR CANOPY HOOD 0.0036 GR/DSCF. THE VISIBLE EMISSION LIMITS ARE FRO M NSPS SUBPART AAA, 3% FROM CONTROL DEVICES, 6% FROM THE MELT SHOP & 10% FROM THE DUST HANDLING SYSTEMS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/21/1989

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION — 1.40 MMT/YR STEEL STRIPS

COMPANY NAME/SITE LOCATION: I/N TEK — NEW CARLISLE, IN

DETERMINATION IS
PERMIT NO. PSD (71) 1664
DETERMINATION MADE BY INDIANA DEM (AGENCY)

DONALD KUH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/15/87
ESTIMATED DATE OF START-UP-- 1989
(317)-232-8412 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LEVELLER, PINCH ROLL		PM	0.0050 GR/DSCF	FABRIC FILTER	BACT
		VE	5.0000 % OPACITY		BACT
WELDER, FLASH BUTT		PM	0.0050 GR/DSCF	FABRIC FILTER	BACT
		VE	5.0000 % OPACITY		BACT
LEVELLER, TENSION		PM	0.0050 GR/DSCF	FABRIC FILTER	BACT
		VE	5.0000 % OPACITY		BACT
PICKLING TANK		PM	0.0030 GR/DSCF	PACKED TOWER SCRUBBER W/MIST ELIMINATOR	BACT
		VE	5.0000 % OPACITY		BACT
MILL, TANDEM COLD		PM	0.0100 GR/DSCF	MIST ELIMINATOR	BACT
		VE	5.0000 % OPACITY		BACT
CLEANING TANK, ELECTROLYTIC		PM	0.0020 GR/DSCF	HORIZ. AIR WASHER	BACT
		VE	5.0000 % OPACITY		BACT
PICKLING TANK, POST TREATMENT					

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM	0.0010 GR/DSCF		BACT
				PACKED TOWER SCRUBBER M/MIST ELIMINATOR	
		VE	5.0000 % OPACITY		BACT
OILER, ELECTROSTATIC					
		PM	0.0010 GR/DSCF		BACT
				MIST ELIMINATOR	
		VE	5.0000 % OPACITY		BACT
BLASTING CABINET, ROLL SHOT					
		PM	0.0130 GR/DSCF		BACT
				FABRIC FILTER	
		VE	5.0000 % OPACITY		BACT
PLATING, CHROME.					
		PM	0.0010 GR/DSCF		BACT
				PACKED TOWER SCRUBBER M/MIST ELIMINATOR	
		VE	5.0000 % OPACITY		BACT
FURNACE, ANNEALING, NAT GAS FIR*	210.70 MMBTU/H				
		PM	0.0030 LB/MMBTU		BACT
		NOX	0.4300 LB/MMBTU		BACT
				LOW NOX BURNERS	
		VE	5.0000 % OPACITY		BACT
BOILER, NAT GAS FIRED, 2 EA	73.20 MMBTU/H				
		PM	0.0030 LB/MMBTU		BACT
		NOX	0.0500 LB/MMBTU		BACT
				FLUE GAS RECIRCULATION	
				NOX SUPPRESSION & BURNER DESIGN	
		VE	20.0000 % OPACITY		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION: MCLOUTH STEEL PRODUCTS, 1491 JEFFERSON AVENUE, TRENTON, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-6927
DETERMINATION MADE BY WAYNE COUNTY APC (AGENCY)
CARL VOGT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/11/85
ESTIMATED DATE OF START-UP-- 1986
(313)-567-0710 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LADLE METALLURGY FACILITY	112.00 T/HEAT, AVG	PM	0.0052 GR/DSCF	BAGHOUSE	BACT
		VE	10.0000 % OPACITY	LADLE EVACUATION	BACT

NOTES --------
BAGHOUSE RATED AT 130000 ACFM. MAXIMUM 9125 HEATS PER YEAR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION: NATIONAL STEEL, GREAT LAKES STEEL DIV. — ECORSE, MI
1 QUALITY DRIVE

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-6429 & C-6430
DETERMINATION MADE BY WAYNE COUNTY APC (AGENCY)
CARL VOGT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/01/86
ESTIMATED DATE OF START-UP--
(313)-567-0710 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LADLE METALLURGY FACILITY		PM	0.0050 GR/DSCF	BAGHOUSE LADLE EVACUATION	BACT
		VE	10.0000 % OPACITY		

NOTES --------
BAGHOUSE RATED AT 165000 ACFM. 14965 HEATS PER YEAR. LADLE QUANITIES VARY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: IRON & STEEL PRODUCTION

COMPANY NAME/SITE LOCATION: NUCOR STEEL — CRAWFORDSVILLE, IN

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PC 54 1742
DETERMINATION MADE BY INDIANA DEM, OAM (AGENCY)
DONALD KUH (AGENCY CONTACT PERSON)
(317)-232-8412 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/20/89
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, ELEC ARC, 2 EA	80.00 T/H				
		PM/*	6.0000 LB/H		B/N
			0.0052 GR/DSCF		
				FABRIC FILTER	99.85
		VE	3.0000 % OPACITY		B/N
			6.0000 % OPACITY		
		NOX	0.3500 LB/T STEEL		BACT
		CO	29.0000 LB/H		BACT
				THERMAL DESTRUCTION IN DSE SYSTEM	98.00
		VOC	0.1300 LB/T STEEL		BACT
				SCRAP MANAGEMENT PROGRAM	
		PB	3.3000 E-4 LB/T		BACT
				FABRIC FILTER	99.85
		SO2	0.0470 LB/T STEEL		BACT
MATL. HANDLING SYSTEM, DUST FRO*					
		VE	10.0000 % OPACITY		N/B
			0.0000 % OPACITY		
VENT, BAGHOUSE FOR EAF					
		PM/*	0.0018 GR/DSCF		BACT
				FABRIC FILTER	
		VE	3.0000 % OPACITY		BACT
				FABRIC FILTER	
LADLE, METALLURGICAL STATION, 2*	80.00 T/H				
		PM/*	0.0018 GR/DSCF		BACT
				FABRIC FILTER	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

(CONTINUED) NUCOR STEEL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		VE	3.0000 % OPACITY		BACT
CASTER, CONTINUOUS	160.00 T/H	PM/*	0.0018 GR/DSCF	FABRIC FILTER	NACT
		VE	3.0000 % OPACITY	FABRIC FILTER	BACT
DEGASSER, VACUUM	160.00 T/H	PM/*	0.0000 LB/H	VACUUM STEAM EJECTORS	BACT
		VE		NO VISIBLE EMISSIONS	BACT
		CO	2.0000 LB/H	THERMAL DESTRUCTION	99.00
PICKLE LINE, HYDROCHLORIC ACID	150.00 T/H	PM/*	0.0030 GR/DSCF	COVERED TANKS VENTED TO SCRUBBER	BACT
		VE	5.0000 % OPACITY		BACT
MILL, COLD REVERSING	60.00 T/H	PM/*	0.0100 GR/DSCF	MIST ELIMINATOR	BACT
		VOC	0.0000 LB/H	NON-VOLATILE ROLLING LUBRICANTS	BACT
LEVELER, PINCH ROLLER, MILL	0.30 T/H	PM/*	0.0000 LB/H		BACT
MILL, TEMPER	60.00 T/H	PM/*	0.0000 LB/H		BACT
SCALE BREAKER, HOT STRIP MILL	200.00 T/H	PM/*	0.0000 LB/H	HI PRESSURE WATER DESCALER	BACT
FURNACE, ROLLER HEARTH NORMALIZ*	12.50 MMBTU/H	PM/*	3.0000 LB/MMCF	NAT GAS FUEL ONLY	BACT
		NOX	364.0000 LB/MMCF	LOW NOX TECHNOLOGY W/RECURPORATORS	BACT
		CO	35.0000 LB/MMCF		BACT
		VOC	2.8000 LB/MMCF		BACT
		VE	5.0000 % OPACITY		BACT
FURNACE, BATCH ANNEALING, 24 EA	4.75 MMBTU/H	PM/*	3.0000 LB/MMCF	NAT GAS FIRING	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		NOX	40.0000 LB/MMCF		BACT
		CO	35.0000 LB/MMCF		BACT
		VOC	2.8000 LB/MMCF		BACT
BOILER, PICKLE LINE PACKAGE, 3 *	7.30 MMBTU/H				
		PM/*	3.0000 LB/MMCF		BACT
				NAT GAS FIRING	
		NOX	50.0000 LB/MMCF		BACT
		CO	20.0000 LB/MMCF		BACT
		VOC	2.8000 LB/MMCF		BACT
BOILER, VACUUM DEGASSER	34.00 MMBTU/H				
		PM/*	3.0000 LB/MMCF		BACT
				NAT GAS FIRING	
		NOX	200.0000 LB/MMCF		BACT
				LOW-NOX BURNERS	
				STAGED COMBUSTION	
		CO	35.0000 LB/MMCF		BACT
		VOC	2.8000 LB/MMCF		BACT
ROASTER, ACID REGENERATION	7.30 MMBTU/H				
		PM/*	3.0000 LB/MMCF		BACT
				NAT GAS FIRING	
		NOX	100.0000 LB/MMCF		BACT
		CO	20.0000 LB/MMCF		BACT
		VOC	2.8000 LB/MMCF		BACT
		VE	5.0000 % OPACITY		BACT
DRYOUT STATION, LADLE	5.00 MMBTU/H				
		PM/*	3.0000 LB/MMCF		BACT
				NAT GAS FIRING	
		NOX	100.0000 LB/MMCF		BACT
		CO	20.0000 LB/MMCF		BACT
		VOC	5.3000 LB/MMCF		BACT
		VE	5.0000 % OPACITY		BACT
PREHEAT STATION, LADLE, 4	37.50 MMBTU/H				
		PM/*	3.0000 LB/MMCF		BACT
				NAT GAS FIRING	
		NOX	100.0000 LB/MMCF		BACT
		CO	20.0000 LB/MMCF		BACT
		VOC	5.3000 LB/MMCF		BACT
		VE	5.0000 % OPACITY		BACT
DRYOUT STATION, TUNDISH	1.50 MMBTU/H				

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		PM/*	3.0000 LB/MMCF	NAT GAS FIRING	BACT
		NOX	100.0000 LB/MMCF		BACT
		CO	20.0000 LB/MMCF		BACT
		VOC	5.3000 LB/MMCF		BACT
		VE	5.0000 % OPACITY		BACT
PREHEATER, TUNDISH, 2 EA	2.00 MMBTU/H	PM/*	3.0000 LB/MMCF	NAT GAS FIRING	BACT
		NOX	100.0000 LB/MMCF		BACT
		CO	20.0000 LB/MMCF		BACT
		VOC	5.3000 LB/MMCF		BACT
		VE	5.0000 % OPACITY		BACT
OXYGEN LANCING, VARIOUS MATL.		ALL*		PROHIBITED UNLESS OCCURING UNDER EAF FURNACE CANOPY, FABRIC FILTER	BACT
DIGOUT OPERATION, EAF SLAG PIT		VE	5.0000 % OPACITY		BACT
ROADS, PAVED		PM/*	16.8000 LB SILT/MILE	VACUUM SWEEPER, SPEED CONTROL	BACT 50.00
ROADS, UNPAVED		PM/*	0.1400 GAL/SQ YD	APPLICATION OF ASPHALTIC EMULSION	BACT 90.00
		VE	5.0000 % OPACITY, 3 MIN AVG	SPEED CONTROL	BACT
FUG EMIS, UNPAVED AREAS		PM/*	0.1400 GAL/SQ YD	APPLICATION OF ASPHALTIC EMULSION	BACT 90.00
		VE	5.0000 % OPACITY, 3 MIN AVG		BACT
FUG EMIS, OPEN AGGREG PILES		VE	3.0000 % OPACITY	WATER PILES IF VE>32	BACT 90.00
SLAG PROCESS	120000.00 T/YR	PM/*	28.0000 GAL H2O/MIN	APPLICATION OF WATER	BACT 97.00
		VE		NO VISSIBLE EMISSIONS	BACT
DIGOUT, EAF SLAG PITS	120000.00 T/YR				

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

(CONTINUED) NUCOR STEEL

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		PM/*	0.5300 T/YR	CONTAINED WITHIN BUILDING	BACT 85.00
		VE	5.0000 % OPACITY		BACT

NOTES --------
ELECTRIC ARC FURNACE BAYS CONFIGURATION APPROCHES TOTAL ENCLOSURE TO CALCULATE FUG EMISSIONS. EAF SHOP COMMON BAGHOUSE CONTROL
S EAF FURNACES, LADLE METALLURGICAL STATION & CONTINUOUS CASTER. CO FROM VACUUM DEGASSER WATER TREATMENT
PLANT COLLECTED & VENTED TO FLARE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

ID NUMBER IN-0034

SOURCE TYPE CODE 8.5

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: DOEHLER JARVIS, FARLEY IND., INC. TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-599
DETERMINATION MADE BY TOLEDO ESD (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/01/90
ESTIMATED DATE OF START-UP-- 1990
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COOLER, DROSS	6.00 T/H DROSS	PM	4.2000 LB/H	HOODING, CARTRIDGE FILTER	BACT 99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: GOTTLIEB, INC. — NEVILLE ISLAND, PA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 89-I-0051-P
DETERMINATION MADE BY ALLEGHENY CBAPC (AGENCY)

J.D. GRAHAM (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/30/90
ESTIMATED DATE OF START-UP-- 1990
(412)-578-8116 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, ROTARY AL MELTING	1000.00 LB/H				
		VOC	100.0000 PPM		BACT
				AFTERBURNER, 2 SEC RESID. TIME	99.00
		PM	0.4000 LB/T FEED		BACT
				BAGHOUSE - 3/1 AIR TO CLOTH RATIO	99.00
		VE	20.0000 % OPACITY, 3 MIN/H		AT20

NOTES --------
CHARGING MATERIAL LIMITED TO "HEAVY ALUMINUM SCRAP", NO PAINTED OR PLASTIC COATED MATERIAL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: REYNOLDS METALS CO. ALLOYS PLANT — SHEFFIELD, AL

DETERMINATION IS BACT
PERMIT NO. 701-007-X058 THRU X069
DETERMINATION MADE BY ALABAMA DEM, AIR DIV. (AGENCY) — KEN BARRETT (AGENCY CONTACT PERSON) — (205)-271-7861 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/07/89
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, AL MELTING, 5 EA	11.70 T/H	NOX	203.7000 T/YR EA	RECUPERATIVE BURNER SYSTEM	BACT
FURNACE, AL HOLDING, 6 EA	11.70 T/H	NOX	11.0000 T/YR EA	CONVENTIONAL BURNERS	BACT
BOILER, MILL	29.00 MMBTU/H	NOX	18.0000 T/YR	LOW NOX BURNER	BACT

NOTES --------
THE BURNER SYSTEMS SELECTED WERE DETERMINED TO PROVIDE THE OPTIMUM REDUCTION OF EMISSIONS CONSIDERING THE SUITABILITY OF THE B
URNERS TO THE PROCESS REQUIREMENTS.

(*) INDICATES DATUM WAS TRUNCATED [ ] THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: TANDEM IND., INC. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 154935
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

JOHN HENNINGER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/22/87
ESTIMATED DATE OF START-UP-- 1987
(714)-877-3570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, REVERB., AL MELTING	80.00 T/D	PM	4.0000 LB/D	BAGHOUSE LIME INJ., LOW SULFUR FUEL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: TANDEM IND., INC. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 154936
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
JOHN HENNINGER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/22/87
ESTIMATED DATE OF START-UP-- 1987
(714)-677-3570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, REVERB., AL MELTING	80.00 T/D	PM	4.0000 LB/D	BAGHOUSE LIME INJ., LOW SULFUR FUEL	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: SECONDARY ALUMINUM

COMPANY NAME/SITE LOCATION: TIMCO IND. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 141730
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

JOHN HENNINGER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/05/87
ESTIMATED DATE OF START-UP-- 1987
(714)-877-3570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, REVERB., AL MELTING	45.00 T/D	PM	2.0000 LB/D	BAGHOUSE LIME INJ., LOW SULFUR FUEL	BACT

NOTES --------
CONTROL EQUIPMENT COST IS AN ESTIMATE. THEY ARE ALTERING AN EXISTING APC SYSTEM, BAGHOUSE, BY VENTING AN ADDITIONAL FURNACE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/02/1988

SOURCE TYPE/SIZE: SECONDARY ALUMINUM — 40000.00 LB/H

COMPANY NAME/SITE LOCATION: U.S. REDUCTION CO. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-499
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SHREDDER/CRUSHER, SCRAP	40000.00 LB/H	PM	0.1000 LB/T	BAGHOUSE	BACT 98.00

NOTES --------
ENCLOSED CONVEYOR, HOODS, CYCLONES & BAGHOUSES IN SERIES, ENCLOSED BINS FOR COLLECTED MATERIALS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION: GMC-CENTRAL FOUNDRY DIV., SAGINAW GREY * — SAGINAW, MI
1629 N. WASHINGTON AVE.

DETERMINATION IS LAER FOR A NEW SOURCE.
PERMIT NO. SEE NOTES
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
DAVID YANOCHKO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/15/86
ESTIMATED DATE OF START-UP-- 1986
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SANDCOOLERS, ROTARY & VIBRATORY	700.00 T/H SAND	PM	0.0220 LB/MLB DRY EXHAUST GAS	VENTURI ROD BED SCRUBBER	LAER
CASTING SHAKEOUT, VIBRATORY	600.00 CASTINGS/H	PM	0.0220 LB/MLB DRY EXHAUST GAS	VENTURI ROD BED SCRUBBER	LAER
SANDHANDLING	700.00 T/H SAND	PM	0.0100 LB/MLB DRY EXHAUST GAS	VENTURI ROD BED SCRUBBER	LAER
SAND MULLERS, GREEN	700.00 T/H SAND	PM	0.0100 LB/MLB DRY EXHAUST GAS	VENTURI ROD BED SCRUBBER	LAER
SHOT BLAST	1900.00 CASTINGS/H	PM	0.0120 LB/MLB DRY EXHAUST GAS	VENTURI ROD BED SCRUBBER	LAER
GRINDER, CASTING	1900.00 CASTINGS/H	PM	0.0100 LB/MLB DRY EXHAUST GAS	VENTURI ROD BED SCRUBBER	LAER

NOTES ---------
SANDHANDLING PROCESSES INCLUDES RETURN SAND, PREPARED SAND & CORE SAND, CONVEYORS, TRANSFER PTS., BUCKET ELEVATORS, ETC. VENTURI ROD SCRUBBER PRESSURE DROPS RANGE FROM 12 IN. W.G. FOR SANDHANDLING PROCESSES TO 16 IN. W.G. FOR SHAKEOUTS.
NOTE - PERMIT NUMBERS 628-85, 629-85, 703-85, 704-85, 705-85, 706-85, & 707-85.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE GRAY IRON FOUNDARIES 66407.00 T/YR

COMPANY NAME/SITE LOCATION NEW RIVER CASTINGS CO. RADFORD, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 21083
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
H.T. CREASY, JR. (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/25/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PREHEATER, CHARGE	18.00 T/H	PM	2.5000 LB/H 3.7000 T/YR		
		SO2	6.6000 LB/H 10.2000 T/YR		
		NOX	12.2000 LB/H 18.8000 T/YR		
		CO	1.3000 LB/H 1.6000 T/YR		
FURNACE, IRON MELTING, 3 TOTAL	27.00 T/H	PM	0.5000 LB/H 0.5000 T/YR	BAGHOUSE	99.00
		VE	5.0000 % OPACITY		
FURNACE, HOLDING, 3 TOTAL	18.00 T/H	PM	2.2000 LB/H 3.3000 T/YR	BAGHOUSE	99.00
		VE	5.0000 % OPACITY		
MAGNESIUM TREATMENT	18.00 T/H	PM	5.4000 LB/H 8.3000 T/YR	ENCLOSED	0.10
		VE	5.0000 % OPACITY		
ALLOY INOCULATION	18.00 T/H				

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

(CONTINUED) NEW RIVER CASTINGS CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		PM	4.4000 LB/H 6.7000 T/YR	ENCLOSED	95.00
		VE	5.0000 % OPACITY		
CASTING POURING	18.00 T/YR	PM	0.4000 LB/H 0.5000 T/YR	BAGHOUSE	99.70
		VE	5.0000 % OPACITY		
COOLING	18.00 T/H	PM	0.7000 LB/H 1.0000 T/YR	BAGHOUSE	99.70
		VE	5.0000 % OPACITY		
SHAKEOUT	18.00 T/H	PM	2.1000 LB/H 3.2000 T/YR	BAGHOUSE	99.70
		VE	5.0000 % OPACITY		
SAND SYSTEM	18.00 T/H	PM	2.6000 LB/H 4.0000 T/YR	BAGHOUSE	99.70
		VE	5.0000 % OPACITY		
BLASTING/GRID/CLEAN	18.00 T/H	PM	3.7000 LB/H 5.7000 T/YR	BAGHOUSE	99.00
		VE	5.0000 % OPACITY		
CORE MACHINE, 2 TOTAL	18.00 T/H	TRI*	13.6000 LB/H 245.0000 LB/D		
MATL. HANDLING, SCRAP/CHARGE	18.00 T/H	PM		ENCLOSED	

NOTES --------
PERMIT TO CONSTRUCT A REPLACEMENT GREY & DUCTILE IRON FOUNDRY. FORMER MCF FOUNDRY OF LYNCHBURG FOUNDRY CO., 18 T/H & 66407 T/Y
R METAL CHARGE LIMIT, 27 T/H MELTING LIMIT, 500000 GAL/YR #2 FUEL OIL LIMIT. SULFUR CONTENT OF OIL NOT TO EXCEED
0.5% BY WT., TOTAL SO2 EMISSIONS LIMIT TO 28.2 T/YR. TOTAL NOX LIMITED TO 40 T/YR. NAT GAS FUEL, STANDBY PROPANE & #2 OIL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

SOURCE TYPE/SIZE: GRAY IRON FOUNDARIES

COMPANY NAME/SITE LOCATION: VERMONT CASTINGS — RANDOLPH, VT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY VERMONT ANR, APCD (AGENCY)
JOHN PERREAULT (AGENCY CONTACT PERSON)
(802)-244-8731 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/21/81
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, CUPOLA	15.00 T/H MELT	PM	1.0000 LB/H	WET IMPACTION SCRUBBER	99.70
		CO	47.0000 LB/H 2000.0000 PPM	INCINERATION	90.70
		SO2		NEGLIGIBLE WET IMPACTION SCRUBBER 0.8% SULFUR FUEL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

SOURCE TYPE/SIZE: SECONDARY LEAD SMELTING

COMPANY NAME/SITE LOCATION: QUEMETCO, INC. , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 140339
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
ED MUEHLBACHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/22/86
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6124 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, LEAD	160.00 T				
		PM	3.6000 LB/D	BAGHOUSE	BACT
		PB	0.3500 LB/D	BAGHOUSE	BACT

NOTES ---------
CONTROL COST IS TOTAL ANNUALIZED COST DIVIDED BY 4 KETTLES.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/08/1988

SOURCE TYPE/SIZE: SECONDARY LEAD SMELTING — 4.00 T/H

COMPANY NAME/SITE LOCATION: SANDERS LEAD CO. — TROY, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 210-0005-X025
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/03/88
ESTIMATED DATE OF START-UP-- 1988
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, BLAST	7500.00 LB/H CHARGE*	PM	0.0100 GR/DSCF	BAGHOUSE	BACT 84.00
		PB	0.0050 GR/DSCF	BAGHOUSE	BACT 84.00
		SO2	241.0000 LB/H	PROCESS CONTROL	BACT

NOTES ---------
ALLOWABLE PM & PB EMISSIONS WERE MODELED AS WORST CASE. EXPECTED EMISSIONS SHOULD BE MUCH LESS WITH CONTROL EFFICIENCY EXCEEDI
NG 95%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

ID NUMBER AL-0028

SOURCE TYPE CODE 8.12

SOURCE TYPE/SIZE: STEEL FOUNDARIES — 30000.00 LB/H

COMPANY NAME/SITE LOCATION: NATIONAL CASTINGS, INC. 1414 E. BROADWAY — TOLEDO, OH 43605

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. OH-430
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
WILLIAM GARBER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1981
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, CORE	1.00 GAL/H	PM	0.0000 LB/GAL	FILTER BANK	BACT 99.00

NOTES --------
THIS SPRAY BOOTH COATS SAND CONES WITH A REFRACTORY MATERIAL. THE VEHICLE USED TO SPRAY IS ALCOHOL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/21/1987

SOURCE TYPE/SIZE: STEEL FOUNDARIES

COMPANY NAME/SITE LOCATION: RIMER ENTERPRISES, INC.
916 MARTIN DR.
WATERVILLE, OH 43566
LUCAS COUNTY

DETERMINATION IS BACT
PERMIT NO. 04-582
DETERMINATION MADE BY TOLEDO ESD (AGENCY)
JEFFREY THADOLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MELTER, INDUCTION	125.00 KW				
		PM	0.1000 LB/T		BACT
		BE	10.0000 G/24 HOURS		NESH
				LESS THAN 2% BE	
FURNACE, BOX	102.00 LB/H				
		PM	0.3300 LB/H		BACT
				CATALYTIC INCINERATOR	90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

SOURCE TYPE/SIZE: STEEL FOUNDARIES — 65.00 T/H

COMPANY NAME/SITE LOCATION: THE TIMKEN CO. FAIRCREST PLANT, 4511 FAIRCREST RD., SW — PERRY TWP., OH

DETERMINATION IS
PERMIT NO. 15-144
DETERMINATION MADE BY CANTON, OHIO AIR AGENCY (AGENCY)
DANIEL SCHILTZ (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/10/90
ESTIMATED DATE OF START-UP-- 1985
(216)-489-3385 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, OIL/GAS FIRED, #1	56.80 MMBTU/H	PM	4.9800 T/YR 0.0200 LB/MMBTU		BACT
		SO2	136.8300 T/YR 0.5500 LB/MMBTU		BACT
		NOX	62.2000 T/YR 0.2500 LB/MMBTU		BACT
		CO	9.9500 T/YR 0.0400 LB/MMBTU		BACT
BOILER, OIL/GAS FIRED, #2	56.80 MMBTU/H	PM	4.9800 T/YR 0.0200 LB/MMBTU		BACT
		SO2	136.8300 T/YR 0.5500 LB/MMBTU		BACT
		NOX	62.2000 T/YR 0.2500 LB/MMBTU		BACT
		CO	9.9500 T/YR 0.0400 LB/MMBTU		BACT
ROADS & PARKING LOTS		PM	6.2800 T/YR		BACT 80.00
SOAKING PITS #1-8	21.60 MMBTU/H EA	PM	15.1600 T/YR 0.0200 LB/MMBTU	BURNER CONTROL	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		SO2	416.2800 T/YR 0.5500 LB/MMBTU	BURNER CONTROL	BACT
		NOX	378.4400 T/YR 0.5000 LB/MMBTU	BURNER CONTROL	BACT
		CO	30.3000 T/YR 0.0400 LB/MMBTU	BURNER CONTROL	BACT
SCARFER, HOT	160.00 T/H	PM	23.8700 T/YR 0.0100 GR/DSCF	WET ESP	BACT 99.00
GRINDER, BILLET, 2	100.00 T/H	PM	18.9200 T/YR 0.0100 GR/DSCF	BAGHOUSE	BACT 99.00
SHOT BLAST UNIT	160.00 T/H	PM	2.6500 T/YR 0.0100 GR/DSCF	BAGHOUSE	BACT 99.00
MATL. DISPENSING, GASOLINE		VOC	1.0000 T/YR 13.0000 LB/MGAL	SUBMERGED FILL,VAPOR BALANCE SYSTEM	BACT 90.00
SPRAY BOOTH, PAINT		VOC	10.9500 T/YR 10.0000 GAL/D		BACT
EAF	65.00 T/H	PM	197.5900 T/YR 0.0052 GR/DSCF	BAGHOUSE	NSPS 99.00
		CO	256.2300 T/YR 0.9000 LB/T		BACT
		FL	9.8500 T/YR 2.2500 LB/H		BACT
REFINER, DEGASSER	65.00 T/H	PM	0.0052 GR/DSCF	BAGHOUSE	NSPS 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

ID NUMBER OH-0181

SOURCE TYPE CODE 8.14

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. STORAGE, ADDITIVE BINS	2.00 T/H				
		PM	0.0100 GR/DSCF		BACT
			23.5200 T/YR		
				BAGHOUSE	99.00
FURNACE, NAT GAS	41.48 MMBTU/H				
		PM	3.6300 T/YR		BACT
			0.0200 LB/MMBTU		
				BURNER CONTROL	
		NOX	90.8400 T/YR		BACT
			0.5000 LB/MMBTU		
				BURNER CONTROL	
		CO	7.2700 T/YR		BACT
			0.0400 LB/MMBTU		
				BURNER CONTROL	
PREHEATER, LADLE, NAT GAS FIRED	21.00 MMBTU/H				
		PM	0.0200 LB/MMBTU		BACT
				BAGHOUSE	99.00
		NOX	45.9900 T/YR		BACT
			0.5000 LB/MMBTU		
				BURNER CONTROL	
		CO	3.6800 T/YR		BACT
			0.0400 LB/MMBTU		
				BURNER CONTROL	
FURNACE, NAT GAS FIRED					
		PM	3.5000 T/YR		BACT
			0.0200 LB/MMBTU		
				BURNER CONTROL	
		NOX	92.5500 T/YR		BACT
			0.5000 LB/MMBTU		
				BURNER CONTROL	
		CO	7.4000 T/YR		BACT
			0.0400 LB/MMBTU		
				BURNER CONTROL	
MATL. DUMPING, TRUCK					
		PM	13.2400 T/YR		BACT
			0.0100 GR/DSCF		
				BAGHOUSE	99.00
STOOL PLATE	30.00 T/D				
		PM	13.0500 T/YR		BACT
			0.0100 GR/DSCF		
				BAGHOUSE	99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/31/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, LADLE, NAT GAS FIRED	16.80 MMBTU/H				
		PM	0.0200 LB/MMBTU		BACT
				BAGHOUSE	99.00
		NOX	0.5000 LB/MMBTU		BACT
				BURNER CONTROL	
		CO	0.0400 LB/MMBTU		BACT
			2.9400 T/YR		
				BURNER CONTROL	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/31/1990

SOURCE TYPE/SIZE: SECONDARY ZINC PROCESSING — 150.00 T/D

COMPANY NAME/SITE LOCATION: EXTRACTION SYSTEMS OF AMERICA, INC. — DUMAS, TX — MOORE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9960
DETERMINATION MADE BY TEXAS ACB (AGENCY) G. MCARTHUR (AGENCY CONTACT PERSON) (512)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/06/85
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, GRINDER, BAGGING	50400.00 T/YR	PM	3.5000 T/YR	MISC. H2O SPRAYS	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

SOURCE TYPE/SIZE STORAGE BATTERY PRODUCTION/RECLAMATION 21000.00 LB/H

COMPANY NAME/SITE LOCATION JOHNSON CONTROLS INC. HOLLAND, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-349
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
(419)-693-0350 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/25/87
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER, PASTE	6000.00 LB/H	PB	4.4000 EE-4 GR/DSCF EXHAUST	VENTURI SCRUBBER	S/N 96.00
PASTING, GRID	10000.00 LB/H	PB	4.4000 EE-4 GR/DSCF EXHAUST	FABRIC FILTER	S/N 99.99
STRIP CASTER	5000.00 LB/H	PB	1.7600 EE-4 GR/DSCF EXHAUST		S/N

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: STORAGE BATTERY PRODUCTION/RECLAMATION — 4000.00 LB/H

COMPANY NAME/SITE LOCATION: JOHNSON CONTROLS, INC. BATTERY DIVISION — HOLLAND, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-411
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEAT SEAL	4000.00 LB/H	PM	0.0200 LB/H	FIBERGLASS FILTER	SIP 50.00

NOTES --------
SEALED BATTERIES WITHOUT ACID.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: STORAGE BATTERY PRODUCTION/RECLAMATION — 4000.00 LB/H

COMPANY NAME/SITE LOCATION: JOHNSON CONTROLS, INC. BATTERY DIVISION — HOLLAND, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-412
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASSEMBLY LINE, CAST-ON-STRAP	4000.00 LB/H	PM	0.0240 LB/H	FABRIC FILTER	SIP 99.90
		PB	4.4000 EE-4 GR/DSCF	FABRIC FILTER	N/S 99.90

NOTES --------
BATTERY ASSEMBLY

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE LEAD OXIDE AND PIGMENT PRODUCTION 1700.00 LB/H

COMPANY NAME/SITE LOCATION POWERLAB, INC. MAUMEE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-364
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
(419)-693-0350 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/07/87
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR SYSTEM, LITHARGE	1700.00 LB/H	PB	0.0020 LB/H 0.0068 T/YR		SIP
				SETTLING CHAMBER, FABRIC FILTER	99.99

NOTES --------
LITHARGE REACTOR SYSTEM PRODUCES BATTERY GRADE LEAD OXIDE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: A.P. PARTS CO. TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-497
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
(419)-693-0350 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/19/89
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY, POWDER FLAME	7.00 LB/H	PM	0.1100 LB/H	WET COLLECTOR	BACT 95.00

NOTES --------
POWDER FLAME SPRAY OF ALUMINUM ON MELDS FOR STAINLESS STEEL EXHAUST SYSTEMS.

(#) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

ID NUMBER OH-0163

SOURCE TYPE CODE 8.22

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: ANSONIA COPPER & BRASS, INC. — ANSONIA, CT
75 LIBERTY ST

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 002-0016
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
ANITA MASIN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/16/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
BOILER, CB-400-300	30.58 MMBTU/H	PM	0.0050 LB/MMBTU GAS FIRING
			0.0140 LB/MMBTU OIL FIRING
		SOX	6.0000 E-4 LB/MMBTU GAS FIRING
			0.3100 LB/MMBTU OIL FIRING
			0.5% S, 134450 GAL/YR BACKUP #2 OIL
		NOX	0.1330 LB/MMBTU GAS FIRING
			0.1440 LB/MMBTU OIL FIRING
		VOC	0.0030 LB/MMBTU GAS FIRING
			0.0014 LB/MMBTU OIL FIRING
		CO	0.0300 LB/MMBTU GAS FIRING
			0.0400 LB/MMBTU OIL FIRING

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

ID NUMBER CT-0093

SOURCE TYPE CODE 0.22

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: CONNECTICUT STEEL, 55 TOELLES RD, WALLINGFORD, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 109-0024
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/26/89
ESTIMATED DATE OF START-UP-- 1987
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE	110000.00 LB/H STEEL				
		PM	3.0400 LB/H		
				LIMIT GEL USAGE TO 2360 N/YR	
		SOX	30.2100 LB/H		
		NOX	20.1100 LB/H		
		VOC	0.3800 LB/H		
		CO	1.9000 LB/H		
		PB	0.0020 LB/H		

NOTES ---------
FIRES #2, #6 OIL, 0.5% SULFUR CONTENT, & NATURAL GAS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE OTHER METALLURGICAL PROCESSES 200.00 CAPS/H

COMPANY NAME/SITE LOCATION DEFENSE GENERAL SUPPLY CENTER , VA CHESTERFIELD COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 50127
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)

KATHERINE MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/12/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CLEANER, CYLINDER ABRASIVE	30.00 CAPS/H	PM	0.0600 LB/H 0.0500 T/YR	CARTRIDGE FILTER DUST COLLECTORS	99.50
CLEANER, CAPS ABRASIVE	200.00 CAPS/H	PM	0.0200 LB/H 0.0300 T/YR	CARTRIDGE FILTER DUST COLLECTORS	99.50

NOTES ---------
INSTALL TWO ABRASIVE CLEANING MACHINES. MODELING RAN ON NON-CRITERIA POLLUTANTS, COBALT, MANGANESE, CARBON BLACK, COPPER, CADMIUM, ALUMINUM, IRON OXIDE, & CHROMIUM.

(=) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/22/1988

SOURCE TYPE/SIZE OTHER METALLURGICAL PROCESSES 1.00 LB/H

COMPANY NAME/SITE LOCATION HALE CHROME SERVICE TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-344
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/17/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ELECTROPLATING, CHROME	1.00 LB/H	CR	NOT APPLICABLE SCRUBBER LIMIT 5 OZ CHROME/GAL H2O IN SCRUBBER	SIP 90.00
		CHR*	NOT APPLICABLE SCRUBBER LIMIT 5 OZ CHROME/GAL H2O IN SCRUBBER	SIP 90.00
BOILER, GAS FIRED	1.05 MMBTU/H	PM	0.0200 LB/MMBTU	SIP

NOTES --------
CR & CHROMIC ACID

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

ID NUMBER OH-0104

SOURCE TYPE CODE 8.22

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES — 24.00 LB/H

COMPANY NAME/SITE LOCATION: LOW BUCK COMPRESSOR & MACHINE, INC. — MIDLAND, TX — MIDLAND COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 18460
DETERMINATION MADE BY TEXAS ACB (AGENCY) — JIM KNIPSTEIN (AGENCY CONTACT PERSON) — (517)-451-5711 (PHONE)

DATE OF PERMIT ISSUANCE-- 12/21/88
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FUGITIVES		CS	0.0018 T/YR		BACT
		BA	0.0069 T/YR		
FILTER CARTRIDGE		CS	0.0029 T/YR		BACT 99.00
		BA	0.0113 T/YR		

NOTES --------
CS = CARBON STEEL, BA = BABBITT METAL - AN ALLOY CONTAINING TOXIC MATERIALS - LEAD, COPPER, ANTIMONY, & TIN.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: MAGNIMET CORP. 275 MILLARD — OREGON, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-529
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
CLARENCE YOUNG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SHREDDER	150.00 T/H	PM	22.9600 LB/H	VENTURI SCRUBBER WATER SPRAY	90.00
		VOC	9.0100 LB/H		
MATL. TRANSFER	150.00 T/H	PM	3.2200 LB/H	COVERED CONVEYORS/SPRAYS	95.00
ROADS	14993.00 VMT	PM	2.5700 LB/H	SWEEPING/DUST SUPPRESSANT	90.00

NOTES --------
VISIBLE EMISSIONS FROM FEED OPENING OF SHREDDER ARE LIMITED TO 5 MIN/H. THE VENTURI SCRUBBER PRESSURE DROP MUST BE AT LEAST 14 INCHES OF WATER. FLOW OF WATER TO SCRUBBER & PRESSURE DROP AT VENTURI ARE AUTOMATICALLY MONITORED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: PLUME & ATWOOD BRASS MILL DIVISION, 235 EAST MAIN ST, THOMASTON, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 180-0004
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)

ANITA MASIH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/26/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CASTING MACHINE, INDUCTION, ELE*	660.00 KH				
		PM	0.0600 LB/H	BAGHOUSE	99.00
		PB	0.0032 LB/H	BAGHOUSE	99.00
		ZINC	0.0560 LB/H	BAGHOUSE	99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES — 150.00 LB/H

COMPANY NAME/SITE LOCATION: RIMER ENTERPRISES, INC. — WATERVILLE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-338
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
WILLIAM GARBER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/06/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, BOX, GAS FIRED	150.00 LB/H			
		PM	6.7500 EE-4 LB/H	SIP
		SO2	1.6200 EE-4 LB/H	SIP
		VOC	7.2900 EE-4 LB/H	SIP
		NOX	0.0300 LB/H	SIP
		CO	0.0100 LB/H	SIP

NOTES --------
THE FURNACE IS USED TO HEAT COPPER & BRASS CASTINGS RED HOT TO STRAIGHTEN THEM.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION STERILE CONCEPTS, INC. RICHMOND, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 50978
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

CHARLIE HOLMES (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/02/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-3634 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STERILIZER		ETH*	4.3400 LB/D 1.4400 LB/H	PACKED TOWER SCRUBBER	99.90
		FRE*	512.0000 LB/D 504.0000 LB/H	NONE	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: SUPREME BUMBERS, INC.
420 S. 15TH ST.
TOLEDO, OH 43602
LUCAS COUNTY

DETERMINATION IS
PERMIT NO. 04-560
DETERMINATION MADE BY TOLEDO ESD (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(419)-474-1901 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STORAGE TANK, SULFURIC ACID	1500.00 GAL	H2S*	0.1100 T/YR	ACTIVATED CARBON ABSORBER ON VENT SUBMERGED FILL	BACT 90.00

NOTES --------
SULFURIC ACID STORAGE TANK CONTROL DEVICE EFFICIENCY IS VIRTUALLY 100% WHEN SYSTEM IS NEW.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: U.S. DOE
FEED MATERIALS PRODUCTION CENTER
CROSBY TOWNSHIP, OH

DETERMINATION IS
PERMIT NO. 14-1785
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
MARK HINES (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COLD SAW, EAST	3500.00 LB/H	PM10	1.5000 EE-6 LB/H	BACT
			4.5000 EE-6 T/YR	
			CARTRIDGE FILTRATION	99.90
			HEPA FILTRATION	
		U	7.7250 EE-8 LB/H	B/H
			2.3175 EE-7 T/YR	
		VE	0.0000 % OPACITY	BACT
COLD SAW, WEST	1600.00 LB/H	PM10	1.4900 EE-6 LB/H	BACT
			4.4700 EE-6 T/YR	
			CARTRIDGE FILTRATION	99.90
			HEPA FILTRATION	
		U	7.6700 EE-8 LB/H	B/H
			2.3010 EE-7 T/YR	
		VE	0.0000 % OPACITY	BACT

NOTES --------
NOTE - PM-10 EMISSIONS REQUIRE A PROCESS MONITORING DEVICE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/01/1989

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: U.S. DOE, FEED MATERIALS PRODUCTION CENTER — CROSBY TOWNSHIP, OH

DETERMINATION IS
PERMIT NO. 14-1732
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
MARK HINES (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS LINE, MOLD HANDLING	2543.00 LB/H				
		PM10	2.3500 EE-5 LB/H		BACT
			7.0500 EE-5 T/YR		
				CYCLONE SEPERATORS	99.97
				CARTRIDGE FILTRATION/HEPA FILTRATION	
		U	9.4000 EE-6 LB/H		B/H
			4.3200 EE-5 T/YR		
		VE	0.0000 % OPACITY		BACT
		ZRS*	5.8000 EE-6 LB/H		BACT
			1.7400 EE-5 T/YR		
		GRA*	3.0000 EE-7 LB/H		BACT
			9.0000 EE-7 T/YR		

NOTES --------
NOTE - PM-10 EMISSIONS REQUIRE A PROCESS MONITORING DEVICE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/01/1989

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: US D.O.E.
FEED MATERIALS PRODUCTION CENTER — CROSBY TOWNSHIP, OH

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 14-1559 & 14-1516
DETERMINATION MADE BY SOUTHWESTERN OHIO APCA (AGENCY)
MARK HINES (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
"F" MACHINES, 2	4775.00 LB/H			
		PM10	9.8200 EE-4 LB/H, EA	BACT
			8.1400 EE-3 T/YR	
			CARTRIDGE FILTRATION W/PREFILTER	99.90
			HEPA FILTRATION	
		U	4.5800 EE-4 LB/H, EA	B/W
			3.8400 EE-3 T/YR	
		PM10	0.0000 % VE	BACT
MILLING, SLAG	6000.00 LB/H			
		PM10	6.5000 EE-3 LB/H	BACT
			0.0274 T/YR	
			CARTRIDGE FILTRATION W/PREFILTER	99.90
			HEPA FILTRATION	
		U	9.1000 EE-4 LB/H	B/W
			6.2800 EE-4 T/YR	

NOTES --------
PROCESS MONITORING DEVICE

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

SOURCE TYPE/SIZE: OTHER METALLURGICAL PROCESSES

COMPANY NAME/SITE LOCATION: WATERBURY ROLLING MILLS, 240 EAST AURORA ST, WATERBURY, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 192-0088
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/11/88
ESTIMATED DATE OF START-UP-- 1980
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CLEAVER BROOKS	10.40 MMBTU/H	PM	0.0480 LB/MMBTU OIL FIRING 0.0130 LB/MMBTU GAS FIRING		
		SOX	1.1010 LB/MMBTU OIL FIRING 0.0020 LB/MMBTU GAS FIRING		
		NOX	0.3810 LB/MMBTU OIL FIRING 0.3700 LB/MMBTU GAS FIRING		
		VOC	0.0090 LB/MMBTU OIL FIRING 0.0150 LB/MMBTU GAS FIRING		
		CO	0.0350 LB/MMBTU OIL FIRING 0.0930 LB/MMBTU GAS FIRING		
		PB	2.9000 E-6 LB/MMBTU OIL FIRING		
		H2S*	0.0130 LB/MMBTU OIL FIRING		

NOTES --------
MAXIMUM ANNUAL OIL OPERATION 1250 H/YR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 150000.00 T/YR

COMPANY NAME/SITE LOCATION: ADAMS CONSTRUCTION CO. , VA
NISE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 11033
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
PAUL PITTS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/01/85
ESTIMATED DATE OF START-UP-- 1985
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, HOT MIX ASPHALT	150000.00 T/YR				
		PM	34.0000 LB/H 20.4000 T/YR	DUSTEX FABRIC FILTER	99.50
ROADS, HAUL		PM		WET SUPPRESSION / PAVING	

NOTES --------
CONSTRUCTION OF A 175 T/H HOT MIX ASPHALT PLANT WITH A MODEL #RA-8-51 DUSTEX BAGHOUSE TO CONTROL PROCESS EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE ASPHALT BATCHING PLANTS 400000.00 T/YR

COMPANY NAME/SITE LOCATION ADAMS CONSTRUCTION CO. , VA ROCKBRIDGE COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 21084
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
CATHY TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/23/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT CONCRETE DRUM MIX	500.00 T/H	PM	0.0400 GR/DSCF 90.0000 MG/DSCM	BAGHOUSE	99.00

NOTES --------
PRODUCTION OF ASPHALT CONCRETE IS LIMITED TO 400000 T/YR. 5% OPACITY LIMITATION. IF LIMITATION IS NOT MET, OPACITY LIMIT BECOMES OPACITY DURING ACCEPTABLE STACK TEST, BUT NEVER GREATER THAN 20%. 20% OPACITY LIMITATION ON STORAGE, HANDLING, TRANSFERRING, & LOADING. FUGITATIVE DUST FROM HAUL ROADS CONTROLLED BY WET SUPPRESSION & PAVING. NUMBER 2 OIL IS APPROVED OIL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS 327.00 T/H

COMPANY NAME/SITE LOCATION: APAC - VIRGINIA, INC. , VA FAIRFAX COUNTY

DETERMINATION IS NSPS
PERMIT NO. 70013
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

CATHY TAYLOR (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/05/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER, ASPHALT DRUM	327.00 T/H	PM	0.0400 GR/DSCF	BAGHOUSE	NSPS 99.40

NOTES --------
NOTE 1 - YEARLY PRODUCTION OF ASPHALT LIMITED TO 350000 TONS. NOTE 2 - PLANT OPERATION LIMITED TO 3744 H/YR. NOTE 3 - LOW SULF UR #6 FUEL OIL & DISTILLATE OIL TO BE BURNED IN THE DRYER DRUM MIXER & ASPHALT HEATER, NOT TO EXCEED 1% SULFUR.
NOTE 4 - TSP TESTING REQUIRED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

SOURCE TYPE/SIZE ASPHALT BATCHING PLANTS 664.00 MT/YR

COMPANY NAME/SITE LOCATION AUSTIN PAVING CO. DALLAS, TX DALLAS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9550
DETERMINATION MADE BY TEXAS ACB (AGENCY)
ART KELLOGG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/02/85
ESTIMATED DATE OF START-UP-- 1985
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL PROCESSING	5000.00 T/YR	PM	1.4000 T/YR	FABRIC FILTER	BACT 99.00
HOT MIX PROCESS	664.00 MT/YR	SO2	92.0000 T/YR		N/B
		PM	6.4000 T/YR	FABRIC FILTER	99.00
		CO	3.2000 T/YR		
		NOX	48.0000 T/YR		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE ASPHALT BATCHING PLANTS 250.00 T/H

COMPANY NAME/SITE LOCATION B.P. SHORT & SONS PAVING CO. , VA
DINWIDDIE COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 50041
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/15/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER, DRUM DRYER	250.00 T/H				
		PM	0.0400 GR/DSCF		
			4.0000 LB/H		
				BAGHOUSE	99.90

NOTES --------
TO INSTALL A PORTABLE BITUMAS-STOR DRUM MIX ASPHALT PLANT. OPACITY LIMITED TO 15%. PUBLIC HEARING BECAUSE SOURCE IS A NSPS SOU
RCE. TESTING FOR PM REQUIRED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 06/30/1987

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: BLUE RIDGE STONE CORP. PINEY RIVER, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 30850
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/18/88
ESTIMATED DATE OF START-UP-- 1989
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FEEDER, VIBRATING		PM	2.9000 LB/H 5.4000 T/YR WET SUPPRESSION	
		PM10	2.2000 LB/H 4.0000 T/YR WET SUPPRESSION	
CRUSHER, JAW		PM	3.8000 LB/H 7.1000 T/YR WET SUPPRESSION	
		PM10	0.3000 LB/H 0.5000 T/YR WET SUPPRESSION	
SCREEN, VIBRATING		PM	2.9000 LB/H 5.4000 T/YR WET SUPPRESSION	
		PM10	2.2000 LB/H 4.1000 T/YR WET SUPPRESSION	
SCREEN, TWO DECK		PM	2.9000 LB/H 5.4000 T/YR WET SUPPRESSION	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

(CONTINUED) BLUE RIDGE STONE CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM10	2.2000 LB/H 5.4000 T/YR	WET SUPPRESSION	
CRUSHER, SECONDARY STONE					
		PM	2.8000 LB/H 5.3000 T/YR	WET SUPPRESSION	
		PM10	0.2000 LB/H 0.3000 T/YR	WET SUPPRESSION	
CRUSHER, TERTIARY CONE					
		PM/*	20.9000 LB/H 39.0000 T/YR	WET SUPPRESSION	
SCREEN, THREE DECK					
		PM	1.8000 LB/H 3.4000 T/YR	WET SUPPRESSION	
		PM10	1.8000 LB/H 2.5000 T/YR	WET SUPPRESSION	
MATL TRANSFER					
		PM/*	2.3000 LB/H 4.5000 T/YR	WET SUPPRESSION	
STORAGE PILE					
		PM/*	5.0000 LB/H 8.3000 T/YR	WET SUPPRESSION	

NOTES --------
CONSTRUCT A QUARRY & PORTABLE STONE CRUSHING PLANT. TRUCKS FOR HUALING DUSTY MATERIALS SHALL BE COVERED/WETTED PROIR TO LEAVIN G PLANT. FUGITIVE EMISSIONS FROM THE HAUL RAODS SHALL BE CONTROLLED BY POURING & WET SUPPRESSION METHODS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: CLAUDE C. WOOD CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 86-197AB
DETERMINATION MADE BY SAN JOAQUIN CO. APCD (AGENCY)
SEYED SADREDIN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/26/87
ESTIMATED DATE OF START-UP-- 1988
(209)-468-3474 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, DRUM MIX ASPHALT	162.00 MMBTU/H	SOX	250.0000 LB/D 0.1350 LB/MMBTU	WET SCRUBBER 0.25% S BY WT.FUEL	BACT
		PM	55.0000 LB/D 0.0400 GR/DSCF	SCRUBBER	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: E.L. YEAGER CONSTRUCTION , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 192116
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
MOHAN BALAGAPALAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(714)-872-6066 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLNAT, ASPHALT BATCH		PM	150.0000 LB/D	VENTURI SCRUBBER, SEE NOTE	

NOTES --------
A SOURCE TEST MILL BE CONDUCTED TO DETERMINE EFFICIENCY OF VENTURI SCRUBBER TO DETERMINE IF IT IS EQUIVALENT TO A BAGHOUSE, IE .,GRAIN LOADING OF 0.006 GR/DSCF OR LOWER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: GENOVESE INDUSTRIES, 70 DAVENPORT ST, STAMFORD, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 172-0044
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
MARK PEAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/28/88
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT, HOT-MIX BATCH	300.00 T/H	PM	0.0400 GR/DSCF AT 50% EXCESS AIR	CYCLONE/BAGHOUSE	99.00
		PM10	0.9600 LB/H	BAGHOUSE	99.00

NOTES --------
OPERATING CONSTRANTS - 8 H/D, 1600 H/YR. BURNER FIRED WITH 69600 CFH NATURAL GAS

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 600000.00 T/YR

COMPANY NAME/SITE LOCATION: JULIUS BRANSCOME, INC. , VA — PRINCE WILLIAM COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 71026
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
CATHY TAYLOR (AGENCY CONTACT PERSON)
(804)-786-7764 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/10/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALTIC CONCRETE	400.00 T/H	PM	0.0400 GR/DSCF	BAGHOUSE	99.80

NOTES --------
PERMIT TO CONSTRUCT & OPERATE AN ASPHALTIC CONCRETE PLANT. ANNUAL PRODUCTION OF ASPHALTIC CONCRETE LIMITED TO 600000 TONS. HOURS OF OPERATION LIMITED TO 2500 H/YR. APPROVED FUELS ARE NAT GAS & #2 OIL. TSP TESTING REQUIRED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/20/1987

SOURCE TYPE/SIZE ASPHALT BATCHING PLANTS 200.00 T/H

COMPANY NAME/SITE LOCATION LEE HY PAVING CORP. , VA RICHMOND COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. (5)40031
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/14/86
ESTIMATED DATE OF START-UP-- 1987
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER, DRUM DRYER	200.00 T/H	PM	0.0400 GR/DSCF 10.3000 LB/H	BAGHOUSE	99.90
		PCB	0.0000 PPM	SEE NOTE #2	
		AS	5.0000 PPM	SEE NOTE #2	
		CR	10.0000 PPM	SEE NOTE #2	
		CD	2.0000 PPM	SEE NOTE #2	
		PB	500.0000 PPM, SEE NOTE #4	SEE NOTE #2	
		HAL*	1000.0000 PPM	SEE NOTE #2	
		S	0.5000 PERCENT	SEE NOTE #2	
		FLA*	100.0000 DEG. F MINIMUM	SEE NOTE #2	

NOTES --------
NOTE 1 - TO CONSTRUCT AN ASPHALT CONCRETE PLANT USING OFF-SPEC. USED OIL IN THE DRUM DRYER-MIXER BURNER. #2 OIL USED IN THE ASPHALT CONCRETE STORAGE HEATER. NOTE 2 - CERTIFICATION AS REQ. BY FED. REG. NOTE 3 - EACH SHIPMENT OF USED OIL SHALL BE ACCOMPANIED BY A CERTIFICATE OF ANALYSIS THAT DEMONSTRATES COMPLIANCE WITH THE SPECS LISTED IN THE PERMIT. NOTE 4 - OFF SPEC.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 240000.00 T/YR

COMPANY NAME/SITE LOCATION: LEE HY PAVING CORP. — GOOCHLAND, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 50060
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/27/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER/COATER, DRUM	240000.00 T/YR				
		PM	0.0400 GR/DSCF AT STD CONDITIONS		
				BAGHOUSE	99.90
		PM10	0.5000 LB/H		
			0.7400 T/YR		
				BAGHOUSE	99.90
		BE	0.0500 LB/D		
			2.2500 T/YR		
		FOR*	0.4900 LB/D		
			85.0000 T/YR		

NOTES --------
CONSTRUCTION OF A DRUM MIX ASPHALT PLANT. OPACITY 15%. APPROVED FUEL IS #2 OIL & USED OIL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION MAC CONSTRUCTION, INC. , VA
BUCHANAN COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 10650
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
(804)-786-0178 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/15/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER, ASPHALT DRUM	100.00 T/H	PM	0.0400 GR/DSCF AT STD CONDITIONS 5.7400 LB/H VENTURI SCRUBBER	99.50

NOTES ---------
MODIFY PLANT BY INCREASING RATED CAPACITY. 45000 T/YR LIMIT, 10900 DRY CUBIC METER AT STD CONDITIONS, #2 FUEL OIL - 20350 GAL/YR. NSPS SUBPART I, STANDARDS OF PERFORMANCE FOR ASPHALT CONCRETE PLANTS APPLIES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE ASPHALT BATCHING PLANTS 180.00 T/H

COMPANY NAME/SITE LOCATION MARVIN V. TEMPLETON & SONS, INC. , VA ROCKINGHAM COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 20749
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
CATHY TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/28/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT CONCRETE HOT MIX*	180.00 T/H	PM	0.0400 GR/DSCF	BAGHOUSE	99.70

NOTES --------
ANNUAL PRODUCTION OF ASPHALT CONCRETE LIMITED TO 100000 TONS. #2 OIL IS APPROVED FUEL. 5% OPACITY LIMIT W/PROVISION TO UP OPAC ITY LIMIT IF HIGHER OPACITY RECORDED DURING A STACK TEST TO PROVE COMPLIANCE W/TSP STD. DUST EMISSIONS FROM STORAGE, HANDLING, TRANSFERRING, & LOADING LIMITED TO 20% OPACITY. DUST FROM HAUL ROADS CONTROLLED BY WET SUPPRESSION. SOURCE EXEMPTED FROM NSPS REGS BECAUSE OF DATE BUILT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

SOURCE TYPE/SIZE ASPHALT BATCHING PLANTS 200.00 T/H

COMPANY NAME/SITE LOCATION MAYHEAD LIME CO. , VA RUSSELL COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 11050
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
CATHY TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/22/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-7764 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT	200.00 T/H	PM	0.0400 GR/DSCF AT STD. CONDITIONS 6.5100 LB/H BAGHOUSE	99.92

NOTES --------
CONSTRUCTION OF A HOT MIX ASPHALT PLANT. ANNUAL PRODUCTION LIMITED TO 75000 TONS. FUGITIVE DUST FROM THE STORAGE PILES & HAUL ROADS CONTROLLED BY WET SUPPRESSION. #2 OIL APPROVED FUEL FOR ROTARY DRYER WITH A 0.3% SULFUR CONTENT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 350.00 T/H

COMPANY NAME/SITE LOCATION: MEGA CONTRACTORS — NEWPORT NEWS, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 61067
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
(804)-786-1433 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/05/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PAVING PLANT, CONCRETE	350.00 T/H				
		PM	0.0400	GR/DSCF	
				BAGHOUSE	99.90
		SO2	0.0800	LB/MMBTU	
			61.3000	LB/H	
				S FUEL LIMIT = 0.8%	
		VOC	11.8000	LB/H	
			5.0000	T/YR	
		NOX	15.1000	LB/H	
			6.5000	T/YR	
		CO	16.0000	LB/H	
			6.8000	T/YR	
		AS	1.3000	EE-5 LB/D	
				BAGHOUSE	99.90
		BA	9.5000	EE-5 LB/D	
				BAGHOUSE	99.90
		CD	6.8000	EE-5 LB/D	
				BAGHOUSE	99.90
		CR	2.7000	EE-4 LB/D	
				BAGHOUSE	99.90
		CL	35.9000	LB/D	
		PCB	0.7200	LB/D	
		V	6.0000	EE-3 LB/D	
				BAGHOUSE	99.90

NOTES --------
PLANT IS PERMITTED TO BURN USED OIL. PERMITEE MUST OBTAIN CHEMICAL ANALYSIS OF EACH SHIPMENT OF USED OIL & MUST RETAIN THESE RECORDS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE ASPHALT BATCHING PLANTS 280.00 T/H

COMPANY NAME/SITE LOCATION MELCO GREEN, INC. NORTON, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 11051
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
H.T. CREASY, JR. (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/12/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, DRUM MIX ASPHALT	280.00 T/H	PM	6.9200 LB/H 1.6600 T/YR	HIGH EFF VENTURI SCRUBBER SEE NOTES	99.50

NOTES --------
PERMIT TO INSTALL A DRUM ASPHALT PLANT. PM LIMIT BASED ON 28680 ACFM, 0.04 GR PER CUBIC FOOT OF DRY FLUE GAS AT STANDARD CONDI
TIONS. NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 05/05/1987

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 175.00 T/H

COMPANY NAME/SITE LOCATION: MOFFETT PAVING & EXCAVATING CORP. — STAUNTON, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 20025
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/24/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0178 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT	175.00 T/H				
		PM	0.0400 GR/DSCF AT STD COND		
			7.9000 LB/H		
				FABRIC FILTER	99.90
		VE	5.0000 % OPACITY		

NOTES --------
PURCHASE ASPHALT PLANT REPLACEMENT. NATURAL GAS & #2 OIL AUXILIARY FUEL, 175000 T/YR LIMIT, SURFACE TREAT & CLEAN HAUL ROADS.
OLD PLANT NSPS DOES NOT APPLY. TSP TESTING REQUIRED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: O & G INDUSTRIES, INC. — 260 BOSTWICK AVE. — BRIDGEPORT, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 015-0124
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
MARK PEAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/26/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT, DRUM MIX	325.00 T/H				
		PM	0.0400 GR/DSCF AT 50% EXCESS AIR		
				CYCLONE/BAGHOUSE	99.00
		PM10	1.0400 LB/H		
				BAGHOUSE	99.00

NOTES --------
OPERATING CONSTRANTS - 10 H/D, 1800 H/YR. BURNER FIRED WITH 100000 CFH NATURAL GAS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 340.00 T/H

COMPANY NAME/SITE LOCATION: RICHARDS & SON, INC. — ROME, OH
STATE RT. #7 — LAWRENCE COUNTY

DETERMINATION IS
PERMIT NO. 07-125, 07-44-00-0097 P001
DETERMINATION MADE BY PORTSMOUTH LAA (AGENCY)
FRANK PHILLIPS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/02/86
ESTIMATED DATE OF START-UP-- 1986
(614)-353-5156 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ASPHALT CONCRETE BATCH PLANT	340.00 T/H	PM	0.0400 GR/DSCF	FABRIC FILTER, H & B MODEL #732-S	NSPS 99.90
		VE	20.0000 % OPACITY		

NOTES --------
SIC #2951, SCC #30500201

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: RONCARI INDUSTRIES, INC., 1776 SOUTH MAIN ST — EAST GRANBY, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 050-0005
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
ANITA MASIH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/23/89
ESTIMATED DATE OF START-UP-- 1990
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT, #2	180.00 T/H	PM	0.0240 LB/T		
			0.0230 GR/DSCF	CYCLONE/BAGHOUSE	99.00
		PM10	0.0080 LB/T	CYCLONE/BAGHOUSE	99.00
		SOX	85.0000 PPM	#2 OIL W/0.35% SULFUR	
		NOX	0.0820 LB/MMBTU	COMBUSTION METHODS	
		CO	0.0800 LB/MMBTU	COMBUSTION METHODS	
		VOC	0.0280 LB/MMBTU	COMBUSTION METHODS	

NOTES --------
MAX USE OF WASTE OIL - 60 GAL/H, 10000 GAY/YR. MAX WASTE CLEANING FLUID - 6 GAL/H, 1000 GAL/YR, MAX COMBO. OF WASTE OIL & CLEA
NING FLUID - 60 GAL/H, 11000 GAL/YR, MAX USE OF #2 OIL - 600 GAL/H, 52751 GAL/YR, MAX ALLOWABLE OPACITY - 20%
THE MODIFICATION CONSISTS OF THE ALLOWANCE TO BURN WASTE OIL ALONG WITH #2 OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: SEYMOUR'S SAND & STONE, INC. — NORTH FRANKLIN, CT
ROUTE 87

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 063-0011
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
JOLENE CRANE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/21/89
ESTIMATED DATE OF START-UP--
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT BATCH	250.00 T/H ASPHALT				
		PM	0.0400 GR/DSCF	KNOCKOUT BOX/BAGHOUSE	99.96
		PM10	0.0080 LB/T ASPHALT	KNOCKOUT BOX/BAGHOUSE	99.87
		SO2	0.0880 LB/T ASPHALT	FUEL LIMITATION	
		NOX	0.0360 LB/T ASPHALT	TONS ASPHALT PRODUCED	
		VOC	0.0280 LB/T ASPHALT	TONS ASPHALT PROCUCED	
		CO	0.0380 LB/T ASPHALT	TONS ASPHALT PRODUCED	

NOTES --------
MAX PLANT CAPACITY - 250 T/H, 326000 T/YR. MAX OPERATING HRS - 12 H/D, 1387 H/YR. MAX FUEL USAGE - 510 GAL/H, 703200 GAL/YR #2 FUEL OIL AT 0.3% SULFUR. SUBJECT TO NSPS 40 CFR PART 60 SUBPART I - HOT ASPHALT FACILITIES.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: SONECO SERVICE, INC. 185 SOUTH RD GROTON, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 070-0065
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/17/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT	325.00 T/H	PM	6.5000 LB/H	BAGHOUSE	
		SOX	66.3000 LB/H		
		NOX	11.7000 LB/H		
		VOC	9.1000 LB/H		
		CO	12.4000 LB/H		
		PB	1.8300 E-3 LB/H		

NOTES --------
MAXIMUM OPERATING HOURS - 4 TO PROCESS 625 CUBIC YARDS OF CONTAMINATED SOIL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE ASPHALT BATCHING PLANTS 300.00 T/H

COMPANY NAME/SITE LOCATION STONECO, INC.
700 LIKENS RD MARION, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-449
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, PORTABLE ASPHALTIC CONCR*	300.00 T/H	PM	0.0400 GR/DSCF	BAGHOUSE	99.90

NOTES --------
THIS LIMIT IS THE SAME AS REQUIRED BY NSPS

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 300.00 T/H

COMPANY NAME/SITE LOCATION: STONECO, INC. 10801 HURON-AVERY RD — MILAN, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-515
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, DRUM MIX ASPHALT, PORTAB*	300.00 T/H	PM	0.0400 GR/DSCF	BAGHOUSE	99.90

NOTES --------
THIS LIMIT IS THE SAME AS REQUIRED BY NSPS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: STONECO, INC. PEARL ROAD — LORAIN, OH

DETERMINATION IS BACT
PERMIT NO. 04-592
DETERMINATION MADE BY TOLEDO ESD (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONCRETE PLANT, PORTABLE BITUMI*	350.00 T/H	PM	0.0400 GR/DSCF	BAGHOUSE	NSPS 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: STONECO, INC. PEARL ROAD — LORAIN, OH

DETERMINATION IS BACT
PERMIT NO. 04-592
DETERMINATION MADE BY TOLEDO ESD (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONCRETE PLANT, PORTABLE BITUMI*	350.00 T/H	PM	0.0400 GR/DSCF BAGHOUSE	NSPS 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/31/1990

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: STONECO, INC.
3800 STATE RD #53
RICE TWP, OH
SANDUSKY COUNTY

DETERMINATION IS BACT
PERMIT NO. 04-602
DETERMINATION MADE BY TOLEDO ESD (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONCRETE PLANT, PORTABLE BITUMI*	350.00 T/H	PM	0.0400 GR/DSCF	BAGHOUSE	NSPS 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: THE BALF CO., 587 N. MAIN ST., MANCHESTER, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 097-0020
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
MARK PEAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/13/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT, HOT-MIX BATCH	400.00 T/H	PM	0.0400 GR/DSCF AT 12% CO2	CYCLONE/BAGHOUSE	99.00
		SO2	35.0400 LB/H	LOW SULFUR FUEL - 0.3%	70.00
		PM10	3.2000 LB/H	BAGHOUSE	99.00

NOTES --------
OPERATING CONSTRAINTS - 10 H/D, 1600 H/YR. BURNER FIRED WITH 600 GAL/H #2 FUEL OIL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 1300.00 T/H

COMPANY NAME/SITE LOCATION: THE FRAZIER QUARRY, INC. — HARRISONBURG, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 20005
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
PAM FAGGERT (AGENCY CONTACT PERSON)
(804)-786-4867 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/16/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, PRIMARY	300.00 T/H	PM	10.0000 LB/H 8.4000 T/YR	WET SUPPRESSION	90.00
		PM10	0.6000 LB/H 0.5000 T/YR		
MATL. TRANSFER, HOPPER TO CONVE*		PM	9.6000 LB/H 8.0000 T/YR	TOTAL ENCLOSURE	90.00
		PM10	4.6000 LB/H 3.8000 T/YR		
		VE	15.0000 % OPACITY		

NOTES --------
TO CONSTRUCT A 300 T/H PRIMARY ROCK CRUSHING FACILITY. NSPS SUBPART 000 APPLIES.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 300.00 T/H

COMPANY NAME/SITE LOCATION: THOMAS ASPHALT PAVING CO. — KENT, OH — PORTAGE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 16-677
DETERMINATION MADE BY AKRON REGIONAL AQMD (AGENCY)
L. MALCOLM (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(216)-375-2480 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT BATCHING	300.00 T/H				
		PM	0.0400 GR/DSCF		NSPS
				BAGHOUSE	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS

COMPANY NAME/SITE LOCATION: TILCON TOMASSO, ROUTE 12, LISBON, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 093-0007
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
JOLENE CRANE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/23/88
ESTIMATED DATE OF START-UP--
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT BATCH	215.00 T/H ASPHALT				
		PM	0.0400 GR/DSCF	BAGHOUSE	99.96
		PM10	0.0080 LB/T ASPHALT	BAGHOUSE	99.87
		SO2	0.1460 LB/T ASPHALT	FUEL LIMITATIONS	
		NOX	0.0360 LB/T ASPHALT	TONS ASPHALT PRODUCED	
		VOC	0.0280 LB/T ASPHALT	TONS ASPHALT PRODUCED	
		CO	0.0380 LB/T ASPHALT	TONS ASPHALT PRODUCED	

NOTES --------
MAX PLANT CAPACITY - 215 T/H, 205000 T/YR ASPHALT. MAX OPERATING HOURS - 8 H/D, 1600 H/YR. MAX FUEL USAGE - 430 GAL/H, 416000 GAL/YR #2 FUEL OIL AT 0.3% SULFUR. SUBJECT TO NSPS 40 CFR PART 60 SUBPART I - HOT ASPHALT FACILITIES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE ASPHALT BATCHING PLANTS 600000.00 T/YR

COMPANY NAME/SITE LOCATION VIRGINIA PAVING, INC. , VA
LOUDOUN COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 71524
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
ROBERT GARRETT (AGENCY CONTACT PERSON)
(804)-786-4867 (PHONE)
DATE OF PERMIT ISSUANCE-- 03/17/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, DRUM MIX	600000.00 T/YR	PM	0.0400 GR/DSCF AT STD CONDITIONS BAGHOUSE	99.80

NOTES --------
CONSTRUCT & OPERATE AN ASPHALTIC CONCRETE PLANT. LIMITED TO 2475 H/YR. APPROVED FUELS ARE LOW SULFUR #6 OIL & DISTILLATE FUEL OIL #2. CONCRETE PRODUCTION LIMITED TO 600000 T/YR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

SOURCE TYPE/SIZE: ASPHALT BATCHING PLANTS — 125.00 T/H

COMPANY NAME/SITE LOCATION: MILLIAMS CORP. OF VIRGINIA — SUFFOLK, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 61056
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) — CATHY TAYLOR (AGENCY CONTACT PERSON) — (804)-786-7764 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/23/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT CONCRETE BATCH	125.00 T/H				
		PM	0.0400 GR/DSCF AT STD CONDITIONS		
				BAGHOUSE	99.00
SCREEN/ROAD DUST & AGGREGATE ST*	SEE NOTE				
		PM	51.6000 LB/H		
			48.7000 T/YR		
				WET SUPPRESSION	90.00

NOTES --------
ANNUAL PRODUCTION OF ASPHALTIC CONCRETE 236400 TONS. TESTING FOR BAGHOUSE PM REQUIRED. AGGREGATE STORAGE THROUGHPUT = 110 T/H, SCREEN/ROAD DUST THROUGHPUT = 100 T/H.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS — 120000.00 LB/H

COMPANY NAME/SITE LOCATION: CAST AMERICA INC. ARCOA DIVISION — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-413
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/19/87
ESTIMATED DATE OF START-UP-- 1982
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER, 8 EA	10000.00 LB/H	PM	0.0200 LB/H	2 FABRIC FILTERS IN SERIES	SIP 99.90
MIXER	24000.00 LB/H	PM	0.4800 LB/H	FABRIC FILTER	SIP 99.90
MIXER	5000.00 LB/H	PM	0.1000 LB/H	FABRIC FILTER	SIP 99.90
MIXER	1000.00 LB/H	PM	0.0200 LB/H	2 FABRIC FILTERS IN SERIES	SIP 99.90
CORE WASH PACKAGING, DAMP POWDE*	10000.00 LB/H	PM	0.0200 LB/H	FABRIC FILTER	SIP 99.90

NOTES --------
MIXERS MIX SOLID & LIQUID RAW MATERIAL TO FORM CORE COMPOUNDS IN PREMIXED FORM.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS — 20.00 T/H

COMPANY NAME/SITE LOCATION: ENGELHARD CORP. — MCINTYRE, GA

DETERMINATION IS
PERMIT NO. 3295-158-4632-0
DETERMINATION MADE BY GEORGIA EPD (AGENCY)
WILLIAM MONTGOMERY (AGENCY CONTACT PERSON)
(404)-656-4867 (PHONE)

DATE OF PERMIT ISSUANCE-- 11/18/87
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CALCINER	20.00 T/H				
		PM	0.0400	GR/DSCF	BACT
				SCRUBBER ON START-UP	95.00
DRYER, SPRAY & CALCINER	20.00 T/H				
		PM	0.0250	GR/DSCF	PSD
				BAGHOUSE AFTER START-UP	99.90
		SO2	0.4500	%S BACKUP FUEL OIL	PSD
			40.0000	T MAX, 12 MON ROLL AVG	
				PERMIT COMDITION	
		NOX		TO BE TESTED	BACT
				HEAT RECOVERY	

NOTES ---------
CALCINER CONTROL BY VENTURI SCRUBBER DURING START UP THEN CALCINER FLUE GASES VENTED THRU SPRAY DRYER FOR HEAT RECOVERY & EXHA
UST THRU THE SPRAY DRYER BAGHOUSE CONTROL

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS — 7.50 T/H

COMPANY NAME/SITE LOCATION: GEORGIA KACLIN CO. — DRY BRANCH, GA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 3295-143-3402-0
DETERMINATION MADE BY GEORGIA EPD (AGENCY)

RONALD METHIER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/01/88
ESTIMATED DATE OF START-UP-- 1989
(404)-656-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CALCINER, VERTICAL	9.30 T/H	PM	0.0400 GR/DSCF ESP	B/N 99.80
PULVERIZER, 6	9.30 T/H	PM	0.0200 GR/DSCF FABRIC FILTER	B/N 99.90
GRINDER, 10	7.70 T/H	PM	0.0200 GR/DSCF FABRIC FILTER	B/N 99.90

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS — 1.50 T/H

COMPANY NAME/SITE LOCATION: ICI AMERICAS, INC. , VA
CHESTERFIELD COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 50418
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/26/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF
DRIER, PELLETIZING	1.10 T/H	PM/*	0.0040 LB/H 0.0130 T/YR	BAGFILTERS
BUNKER, INTERMEDIATE FLAKE	1.50 T/YR	PM/*	0.0140 LB/H 0.0460 T/YR	BAGFILTERS
DRYING SYSTEM, FLAKE	1.50 T/H	PM/*		MINIMAL PERMIT LIMIT
BUNKER, RECLAIM CHIP, #11	1.50 T/H	PM/*		MINIMAL PERMIT LIMIT
BUNKER, RECLAIM CHIP, #12	1.50 T/H	PM/*		MINIMAL PERMIT LIMIT
BUNKER, RECLAIM CHIP, #13	1.50 T/H	PM/*		MINIMAL PERMIT LIMIT
BUNKER, RECLAIM CHIP, #14	1.50 T/H	PM/*		MINIMAL PERMIT LIMIT
BUNKER, RECLAIM CHIP, #15	1.50 T/H			

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		PM/*		MINIMAL PERMIT LIMIT	
BUNKER, RECLAIM CHIP, #16	1.50 T/H	PM/*		MINIMAL PERMIT LIMIT	
BUNKER, RECLAIM CHIP, #17	1.50 T/H	PM/*		MINIMAL PERMIT LIMIT	
BUNKER, RECLAIM CHIP, #18	1.50 T/H	PM/*		MINIMAL PERMIT LIMIT	
TRANSFER SYSTEM, CHIP	11.25 T/H	PM/*	0.4500 LB/H 0.2300 T/YR	PERMIT LIMIT	
EXHAUST HOOD, ZEOSPHERES	0.02 T/H	PM/*		MINIMAL PERMIT LIMIT	
EXHAUST HOOD, R & D		PM/*		MINIMAL PERMIT LIMIT	
EXHAUST HOOD, R & D		PM/*		MINIMAL PERMIT LIMIT	
MATL UNLOAD, RAIL CAR CHIP	7.50 T/H	PM/*		MINIMAL BAGFILTERS	

NOTES --------
CONSTRUCT A NEW FLAKE PROCESS LINE & ASSOCIATED MATERIALS HANDLING & STORAGE EQUIPMENT. NON-CRITERIA POLLUTANT EMISSIONS - MEK , MIBK, TOLUENE, ACETONE, METHYL ALCOHOL & NITRIC ACID - ARE LESS THAN THE EMISSION EXEMPTION LEVELS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1987

SOURCE TYPE/SIZE: BRICKS, CERAMIC, AND RELATED CLAY PRODUCTS

COMPANY NAME/SITE LOCATION: K-F BRICK CO., INC. — EAST WINDSOR HILL, CT
JOHN FITCH BLVD

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 169-0030
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY) — SUSAN AMARELLO (AGENCY CONTACT PERSON) — (203)-566-8230 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/27/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESS EQUIP., SEE NOTE	115000.00 LB/H				
		PM	4.0400 LB/H	BAGHOUSE	99.90
EXTRUDING, BRICK	99000.00 LB/H				
		PM	0.7200 LB/H	BAGHOUSE	99.90

NOTES --------
PROCESS EQUIPMENT - FEEDERS, DESEGREGATOR, CRUSHER, MIXER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE PORTLAND CEMENT MANUFACTURING

COMPANY NAME/SITE LOCATION LONE STAR INDUSTRIES , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 723-1
DETERMINATION MADE BY MONTEREY BAY UNIFIED (AGENCY) FRED THOITS (AGENCY CONTACT PERSON) (408)-443-1135 (PHONE)

DATE OF PERMIT ISSUANCE-- 07/29/86
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, PORTLAND CEMENT	100.00 T/H CLINKER				
		NOX	250.0000 LB/H	O2 CONTROL ON COMBUST AIR TO PRECALCINER	
PREHEATER, SUSPENSION, SEE NOTE					
		SO2	250.0000 LB/H	ALKALINE SLURRY INJ. SYSTEM	

NOTES --------
SUSPENSION PREHEATER WITH PRECALCINER & ROTARY KILN. P/O NO. P-2113 ISSUED 7-31-86. OPERATION PERMITTED FOR 330 DAYS/YEAR. FOR SO2 CONTROL EQIUP. 40-50% CONTROL EXPECTED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 1850.00 T/H

COMPANY NAME/SITE LOCATION: MEDUSA CEMENT CO. — SYLVANIA, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-396
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
LINDA FURLOUGH (AGENCY CONTACT PERSON)
(419)-693-0350 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/22/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROADS	3000.00 VMT	PM		NOT APPLICABLE PAVEMENT	SIP
SILO, STORAGE, 2 EA	7000.00 T	PM	0.0000 % OPACITY	FABRIC FILTER	SIP 99.90
MATL TRANSFER & UNLOAD	1500.00 T/H	PM	0.0000 % OPACITY	FABRIC FILTER ENCLOSURE	SIP 99.90
MATL UNLOADING, CEMENT	350.00 T/H	PM	0.0000 % OPACITY	FABRIC FILTER TELESCOPIC UNLOADING SPOUT	SIP 99.90

NOTES ---------
VMT = VEHICLE MILES TRAVELED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING — 182.00 T/H

COMPANY NAME/SITE LOCATION: TARMAC - LONESTAR, INC. , VA
BOTETOURT COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 20232
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
CATHY TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/22/87
ESTIMATED DATE OF START-UP-- 1988
(804)-786-7764 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MILL, FINISHING, REF 10, COMBIN*	182.00 T/H				
		PM	0.0100 GR/ACF		
			53.5000 T/YR		
				OVERALL - 7 BAGHOUSES	99.00
MATL. HANDLING, REF 10					
		PM	0.3000 LB/H AT 4 PTS		
				4 BAGHOUSES	99.00
MILL, BALL, REF 10					
		PM	3.8000 LB/H		
				BAGHOUSE	99.00
AIR SEPERATOR, REF 10					
		PM	12.5000 LB/H		
				BAGHOUSE	99.00
CRUSHER, ROLL, REF 10					
		PM	2.4000 LB/H		
				BAGHOUSE	99.00
FINISH MILL, REF 9, COMBINED	14.20 T/H				
		PM	0.0100 GR/ACF		
			2.2400 LB/H		
				2 BAGHOUSES	99.00

NOTES --------
FIVE PERCENT OPACITY LIMITATION ON BOTH #9 & #10 FINISH MILL SYSTEMS. LOG REQUIRED FOR DAILY PRODUCTION RATE & OPERATING HOURS FOR #9 & #10 FINISH MILL SYSTEMS. MONITORING METHOD OF ANNUAL AVERAGE CFM REQUIRED & LOG OF MONITORED VALUES TO BE KEPT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING

COMPANY NAME/SITE LOCATION: WILMINGTON LIQUID BULK TERMINALS , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 146891
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
FRED DEL ROSARIO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/12/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6439 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONVEYING/LOADING, CEMENT	600.00 MT/H				
		PM	10.1000 LB/D		BACT
				BAGHOUSE	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: PORTLAND CEMENT MANUFACTURING

COMPANY NAME/SITE LOCATION: WILMINGTON LIQUID BULK TERMINALS , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 146887
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

FRED DEL ROSARIO (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/12/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6439 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECEIVING/STORAGE, CEMENT	500.00 MT/H	PM	81.8000 LB/D	BAGHOUSE	BACT 99.90

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: CEMENT (OTHER THAN PORTLAND) MANUFACTURING

COMPANY NAME/SITE LOCATION: F & F CONCRETE CORP., 110 M. MAIN ST — PLANTSVILLE, CT

DETERMINATION IS BACT
PERMIT NO. 168-0009
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY) — ERNEST BOUFFARD (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/29/89
ESTIMATED DATE OF START-UP-- 1990
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH	190.00 T/H	PM	0.1950 LB/H	BAGHOUSE	99.00
		PM10	0.0800 LB/H	BAGHOUSE	99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: CEMENT (OTHER THAN PORTLAND) MANUFACTURING

COMPANY NAME/SITE LOCATION: MANCHESTER SAND, 60 ADAMS ST, MANCHESTER, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 097-0016
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/22/87
ESTIMATED DATE OF START-UP-- 1987
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER, CONCRETE & 4 SILOS	70.00 BATCHES/D	PM	0.0200 LB/CUBIC YARD BAGHOUSE	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: CEMENT (OTHER THAN PORTLAND) MANUFACTURING — 53000.00 T/YR

COMPANY NAME/SITE LOCATION: NATIONAL CEMENT PRODUCTS, INC. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-381
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO, CEMENT STORAGE	3000.00 T/YR			
		PM	0.0000 % OPACITY	SIP
			FABRIC FILTER	99.00
HOPPER, WEIGH	50000.00 T/YR			
		PM	0.0000 % OPACITY	SIP
			ENCLOSURE	80.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: CEMENT (OTHER THAN PORTLAND) MANUFACTURING

COMPANY NAME/SITE LOCATION: QUIKRETE CO., 548 GREEN HOLLOW RD, MAUREGAN, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 145-0017
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/05/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, #2 OIL FIRED	100000.00 LB/H	PM	0.0150 LB/H	BAGHOUSE	99.94
		SOX	0.3240 LB/H		
		NOX	0.1500 LB/H		
		VOC	0.0020 LB/H		
		CO	0.0380 LB/H		
		PB	3.1500 E-6 LB/H		
		H2S*	0.0060 LB/H		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: CEMENT (OTHER THAN PORTLAND) MANUFACTURING — 15.00 T/H

COMPANY NAME/SITE LOCATION: RICHARDSON CONCRETE, INC. — DORAN, VA

DETERMINATION IS B/N
PERMIT NO. 10967
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

JAMES LEHAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/05/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-5783 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, SANDSTONE	15.00 T/H	PM	0.1100 LB/H 0.0340 T/YR	WATER SUPPRESSION	90.00

NOTES --------
CONSTRUCT A SANDSTONE CRUSHER AT EXISTING CONCRETE PLANT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

SOURCE TYPE/SIZE: CEMENT (OTHER THAN PORTLAND) MANUFACTURING

COMPANY NAME/SITE LOCATION: THE BERNARD J. DOLAN CO., INC. 213 GREENWOOD AVE. BETHEL, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 009-0006
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
MARK PEAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/09/88
ESTIMATED DATE OF START-UP-- 1977
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE, READY-MIX BATCH	600.00 T/H				
		PM	1.9600 LB/H	BAGHOUSE	99.00
		SO2	0.8500 LB/H	LOW SULFUR FUEL, 0.3%	70.00
		PM10	0.8000 LB/H	BAGHOUSE	99.00

NOTES --------
OPERATING CONSTRAINTS - 8 H/D, 2100 H/YR. BURNER FIRED WITH 20 GAL/H 0.3% SULFUR CONTENT #2 FUEL OIL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: CEMENT (OTHER THAN PORTLAND) MANUFACTURING 2500.00 T/H

COMPANY NAME/SITE LOCATION: WESTMORELAND COAL CO. , VA LEE COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 11013
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
ROBERT GARRETT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/15/87
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BREAKER, ROTARY, #R82	2500.00 T/H	PM	12.0000 LB/H 7.2000 T/YR	ENCLOSURE	80.00
CRUSHER, #C-2	2500.00 T/H	PM	12.0000 LB/H 7.0200 T/YR	ENCLOSURE	80.00
BELT TRANSFER	3500.00 T/H	PM	72.0000 LB/H 108.0000 T/YR	ENCLOSURE	70.00
SILO FEED, 2	2500.00 T/H	PM	60.0000 LB/H 35.0000 T/YR		
CRUSHER, #C-1	2500.00 T/H	PM	9.6000 LB/H 4.8000 T/YR	ENCLOSURE	80.00
STOCKPILE, FIVE ACRE, 5		PM	2.4000 LB/H 10.4000 T/YR	WET SUPPRESSION	90.00
STOCKPILE, 1.5 ACRE					

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

(CONTINUED) WESTMORELAND COAL CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM	0.6500 LB/H 2.8000 T/YR	WET SUPPRESSION	90.00
STOCKPILE, 1 ACRE					
		PM	0.4300 LB/H 1.9000 T/YR	WET SUPPRESSION	90.00

NOTES --------
ANNUAL PRODUCTION LIMITED TO 3 MILLION TONS. OPERATION HOURS LIMITED TO 6600 H/YR. BELT TRANSFERS LIMITED TO 1000 T/H.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/10/1987

SOURCE TYPE/SIZE: COAL CLEANING — 100000.00 T/YR

COMPANY NAME/SITE LOCATION: NORTH AMERICAN TERMINALS — CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-1286
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
MARK HINES (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1987
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER	300.00 T/D	PM	0.0020 LB/T	CHEMICAL WET SUPPRESSION	BACT 90.00
		VE	20.0000 % OPACITY	CHEMICAL WET SUPPRESSION	NSPS 90.00

NOTES --------
CONTROL EFFICIENCY IS ESTIMATED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

SOURCE TYPE/SIZE: COAL CLEANING (THERMAL DRYER)

COMPANY NAME/SITE LOCATION: CONSOLIDATION COAL CO. GARDEN CREEK , VA BUCHANAN COUNTY

DETERMINATION IS B/N
PERMIT NO. 10945
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/10/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-0178 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, THERMAL	413.00 T/H, MAX	PM	0.0310 GR/DSCF 30.2000 LB/H	VENTURI SCRUBBER	99.90
		PM10	0.0170 GR/DSCF 16.6000 LB/H	VENTURI SCRUBBER	99.00
		SO2	23.2000 LB/H 58.8000 T/YR	VENTURI SCRUBBER	80.00
		NO2	55.7000 LB/H 141.5000 T/YR	VENTURI SCRUBBER	25.00
		VOC	36.4000 LB/H 92.3000 T/YR		

NOTES --------
MODIFY COAL PREPARATION FACILITY. REPLACES PERMIT JULY 1, 1983 AMMENDED JUNE 5, 1985. 1890000 T/YR DRIED COAL, 5072 H/YR. 20% OPACITY FROM DRYER. BITMINOUS 1% SULFUR COAL FUEL FOR DRYER. MONITOR DEVICES FOR DRYER EXCHANGE TEMPERATURE/VENTURI PRESSURE LOSS/VENTURI WATER SUPPLY. PM/SO2 TESTING CONDUCTED IN NOVEMBER 1985. NSPS - SUBPART Y.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: GLASS FIBER MANUFACTURING

COMPANY NAME/SITE LOCATION: KNAUF FIBERGLASS GMBH — HUGULEY, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 302-0011-X001 & X002
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
KEN BARRETT (AGENCY CONTACT PERSON)
(205)-271-7861 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/22/89
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MANUFACTURING, FIBERGLASS, SEE *	5.00 T/H	PM	5.3400 LB/T	VENTURI SCRUBBER/INCINERATOR	BACT 99.00
FURNACE, GLASS	5.00 T/H	PM	0.3000 LB/T	ESP	BACT 99.00

NOTES ---------
SOURCE ORIGINALLY ISSUED SIP PERMIT. INITIAL TESTING SHOWED SOURCE WAS SUBJECT TO PSD & PERMIT WAS ISSUED 8/22/89. MFG EMISSIO
NS INCLUDE FORMING & CURING EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

SOURCE TYPE/SIZE: GLASS FIBER MANUFACTURING

COMPANY NAME/SITE LOCATION: MANVILLE SALES CORP. 7500 DUTCH ROAD — WATERVILLE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-366
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — JEFFREY TWADDLE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/10/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPINNER, MICROFIBER, 2	CONFIDENTIAL	PM	1.9200 LB/H, INPUT VENTURI SCRUBBER	SIP 90.00

NOTES --------
PROCESS CONSISTS OF GLASS MELTER, FIBERIZER, & COLLECTOR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: GLASS FIBER MANUFACTURING — 9690.00 LB/H

COMPANY NAME/SITE LOCATION: MANVILLE SALES CORP. — WATERVILLE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-333
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
WILLIAM GARBER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/08/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN, PRE-BAKE, 3 EA	3230.00 LB/H				
		PM	1.4400 LB/T		SIP
		CO	1.8000 LB/T		SIP
		NOX	3.1200 LB/T		SIP

NOTES --------
PRE-BAKE OVENS ARE FOR DRYING FIBEROUS GLASS THAT HAS HAD RESIN APPLIED TO IT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: GLASS FIBER MANUFACTURING — 5000.00 LB/H

COMPANY NAME/SITE LOCATION: MANVILLE SALES CORP. — WATERVILLE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-360
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/26/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECLAIM, SCRAP FIBERGLASS	5000.00 LB/H	PM	1.4600 LB/H CYCLONE	SIP 80.00

NOTES --------
SCRAP FIBERGLASS IS CRUSHED WITH A HAMMER CRUSHER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: GLASS FIBER MANUFACTURING — 400.00 LB/H

COMPANY NAME/SITE LOCATION: MANVILLE SALES CORP. — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-377
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/04/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BAG OPENING STATION, FIBERGLASS	400.00 LB/H	PM	0.6000 LB/H 0.0000 % OPACITY		SIP

NOTES --------
BAGS ARE OPENED & POURED INTO MACHINE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: GLASS FIBER MANUFACTURING — 9690.00 LB/H

COMPANY NAME/SITE LOCATION: MANVILLE SALES CORP. RIVER ROAD — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-387
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/06/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN, CURING, 3 EA	3230.00 LB/H				
		PM	0.0190 LB/H		SIP
		NOX	0.1000 LB/H		SIP
		CO	0.0200 LB/H		SIP

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: GLASS FIBER MANUFACTURING — 2600.00 LB/H

COMPANY NAME/SITE LOCATION: MANVILLE SALES CORP., PLT#1, 6050 RIVER RD. — MONCLOVA TOWNSHIP, OH — LUCAS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-545
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — JEFFREY THADDLE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, NET INDIRECT CHOP LINE P*	2600.00 LB/H				
		PM	0.3700 LB/H		
			0.0220 GR/SCF		
				FABRIC FILTER	99.90
		TOL*	0.2400 LB/H		
			8.0000 PPM		
				FABRIC FILTER	99.90
HOOD VENT					
		PM	0.0200 GR/SCF		
			0.5300 LB/H		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/01/1989

SOURCE TYPE/SIZE: GLASS MANUFACTURING — 500.00 T/D

COMPANY NAME/SITE LOCATION: AFG INDUSTRIES, INC. — VICTORVILLE, CA — SAN BERNARDINO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. SE 86-02
DETERMINATION MADE BY EPA REGION IX (AGENCY)
BOB BAKER (AGENCY CONTACT PERSON)
(415)-974-8923 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/08/86
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, GLASS	500.00 T/D				
		NOX	150.0000 LB/H, 3 H AVG	NH3 INJ.,PROCESS CONTROLS	
		SO2	10.5000 LB/H, 3 H AVG	ESP SPRAY CHAMBER	80.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION: CORNING GLASS WORKS — STATE COLLEGE, PA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-309-037
DETERMINATION MADE BY PENNSYLVANIA DER (AGENCY)
BILL SCHILDT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/29/87
ESTIMATED DATE OF START-UP--
(717)-787-9256 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, MELTING					
		NOX			BACT
		AS	0.0137 LB/H		BACT
		HF	5.0000 LB/H		BACT
		CO	100.0000 LB/H		BACT
		PB	0.2200 LB/H		BACT
		PM	0.0050 GR/DSCF		BACT
				ESP	98.30

NOTES --------
MAX CONTROLLED EMISSIONS ARE - PM-6.3 TPY, PB-0.58 TPY, AS-0.06 TPY, CO-280. TPY, VOC-12.9 TPY, HF-11.4 TPY, NOX-954. TPY. MONITORS FOR OPACITY & NOX.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE GLASS MANUFACTURING 78080.00 T/YR

COMPANY NAME/SITE LOCATION DIAMOND SHAMROCK CHEMICALS CO. CINCINNATI, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-1075
DETERMINATION MADE BY SOUTHWEST OHIO APCA (AGENCY)
FRANK STOY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/20/86
ESTIMATED DATE OF START-UP-- 1986
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER & MATL. HANDLING SYS, S*	8.00 T/H	PM	0.4800 LB/T	BAGHOUSE	BACT 99.70

NOTES --------
CONTROL EFFICIENCY GREATER THAN 99% & OPERATING SCHEDULE LIMITED TO 1000 H/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

SOURCE TYPE/SIZE GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION ENVIRONMENTAL TECHNOLOGY GROUP , OH
MOBILE SOURCES

DETERMINATION IS
PERMIT NO. 04-562
DETERMINATION MADE BY TOLEDO ESD (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EVAPORATOR, HORIZ. THIN FILM	450.00 GAL/H	VOC	LIQ. RING VACUUM PUMP	BACT 99.00

NOTES --------
SOURCES LIMITED TO 6000 GALLONS OF WASTE PER DAY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/31/1990

SOURCE TYPE/SIZE: GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION: FORD MOTOR CO., DEARBORN GLASS PLT, 3001 MILLER RD — DEARBORN, MI 48120

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. 840-85
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
DAVID YANOCHKO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/30/87
ESTIMATED DATE OF START-UP-- 1987
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING, LOW EMISSIVITY GLASS	500.00 T/D	PM	0.0200 LB/MLB DRY EXHAUST GAS	FABRIC FILTER, SCRUBBER	LAER 99.00
		VE	20.0000 % OPACITY	FABRIC FILTER, SCRUBBER	LAER
		VOC	4.0800 LB/H	INCINERATOR	LAER 98.00
		ACI*	4.5000 LB/H	DRY SCRUBBER, FABRIC FILTER	BACT 90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE: GLASS MANUFACTURING — 600.00 T/D

COMPANY NAME/SITE LOCATION: GUARDIAN INDUSTRIES CORP., 3801 SOUTH HWY 8287, CORSICANA, TX 75110, NAVARRO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-PX 370M2
DETERMINATION MADE BY EPA REGION VI (AGENCY)
JOHN BUNYAK (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/28/86
ESTIMATED DATE OF START-UP--
(214)-767-1594 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, GLASS MELTING STACK	600.00 T/D	NOX	0.5000 LB/T 600.0000 LB/H	LOW EXCESS AIR	BACT
		SO2	0.1300 LB/T 78.0000 LB/H	PROCESS DESIGN	BACT
		PM	0.0600 LB/T 25.0000 LB/H	PROCESS DESIGN	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE GLASS MANUFACTURING 670.00 T/D

COMPANY NAME/SITE LOCATION I-O NEG TELEVISION PRODUCTS PITTSTON, PA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 40-309-023
DETERMINATION MADE BY PENNSYLVANIA BAQC (AGENCY)
JAMES PARETTE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/25/89
ESTIMATED DATE OF START-UP-- 1989
(717)-826-2531 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, GLASS, "A"	190.00 T/D	PM	0.2500 G/KG GLASS	SEE NOTES	
		NOX	395.5000 LB/H	NSPS SEE NOTES	BACT
FURNACE, GLASS, "B"	200.00 T/D	PM	0.2500 G/KG GLASS	SEE NOTES	
		NOX	395.5000 LB/H	NSPS SEE NOTES	BACT
FURNACE, GLASS, "C"	200.00 T/D	PM	0.2500 G/KG GLASS	SEE NOTES	
		NOX	395.5000 LB/H	NSPS SEE NOTES	BACT

NOTES ---------
MODIFICATION - INCREASING CAPACITY OF "B" FURNACE FROM 190 TO 200 T/D, ADDING ELECTRIC BOOST TO "B", CHANGING THE DUCT WORK CO NFIGURATION, ADDING A 5TH FIELD TO ONE OF THE ESP'S, & ADDING DUCT WATER COOLING TO CONTROL THE FLOWRATE ENTERING THE ESP. INSTALLING ELECTRIC BOOST DECREASES NAT GAS CONSUMPTION & NOX EMISSIONS. INSTALLING DUCT WATER COOLING & DUCT WORK CHANGES WIL L GUARANTEE BETTER CONTROL & OPERATION OF ESPS. CEM FOR NOX REQUIRED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 12/31/1989

SOURCE TYPE/SIZE: GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION: LATCHFORD GLASS CO. , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 149492
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
M. POLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/03/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6122 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, GLASS MELTING, 3	45.00 MMBTU/H				
		NOX	1445.0000 LB/D		BACT
		SO2	182.0000 LB/D		BACT
				WET SCRUBBER	80.00
		PM	114.0000 LB/D		BACT
				BAGHOUSE	81.00

NOTES --------
CONTINUOS EMISSION MONITOR WILL INSURE COMPLIANCE WITH DISTRICT RULES & REGULATIONS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/02/1988

SOURCE TYPE/SIZE: GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION: LIBBEY - OWENS - FORD CO. LATHROP, CA SAN JOAQUIN COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. SJ 78-54
DETERMINATION MADE BY EPA REGION IX (AGENCY)
LINH TRAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/17/85
ESTIMATED DATE OF START-UP--
(415)-974-7631 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, GLASS MELTING	550.00 T/D	SO2	88.0000 LB/H	BATCH GYPSUM LIMIT-19.3 LB/MLB SAND	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1986

SOURCE TYPE/SIZE: GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION: LIBBEY OHENS FORD GLASS, INC. ROSSFORD, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-358
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
LINDA FURLOUGH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/04/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING OF MOLTEN GLASS	CONFIDENTIAL	PM	0.1100 LB/H	SCRUBBER	SIP 99.00
		HCL	0.7800 LB/H	SCRUBBER	SIP 92.00
		HBR	0.3700 LB/H	SCRUBBER	SIP 92.00
		HF	0.2800 LB/H	SCRUBBER	SIP 92.00

NOTES --------
COATING WITH TIN OXIDE & SILICA

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION: O-I BROCKWAY GLASS, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 179159
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

H. HASSAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(818)-571-5168 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. APPLIC., SHRINK WRAP LABE*		MET*	7.6800 LB/D	INCINERATOR/DRY SPRAY SCRUBBER/ESP	
		PM	16.5000 LB/D	INCINERATOR/DRY SPRAY SCRUBBER/ESP	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION: OWENS-ILLINOIS, INC.
VERON PLANT , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 146695
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

TIM BALABAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/05/86
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6263 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FORMING MACHINE, GLASS CONTAINER	6.67 T/D	PM	7.2000 LB/D		BACT

NOTES --------
NO BACT FOR GLASS CONTAINER FORMING MACHINE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: GLASS MANUFACTURING

COMPANY NAME/SITE LOCATION: OWENS-ILLINOIS, INC.
VERON PLANT , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 146696
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
TIM BALABAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/04/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6263 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, GLASS MELTING	15.50 T/H	PM	57.0000 LB/D 0.1300 G/KG GLASS	ESP	BACT

NOTES --------
1-PM EMISSIONS ARE CONTROLLED ON GLASS MELTER ONLY. REFINER & FOREHEARTHS ARE GAS-FIRED ONLY & NOT CONTROLLED. 2-ESP COST EFFE
CTIVENESS CALCULATIONS ARE ATTACHED TO PERMIT APPLICATION. SULFITE IONS IN
BATCH ARE NOT TO EXCEED 0.2% BY WEIGHT. OPERATES 24 H/D, 7 D/WK, 50 WK/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE LIME MANUFACTURING 315000.00 T/YR

COMPANY NAME/SITE LOCATION AUSTINVILLE LIMESTONE CO. , VA MYTHE COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 10213
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)

JIM LEHAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/16/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-5783 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, ROTARY	315000.00 T/YR	PM	10.5000 LB/H 21.2000 T/YR	FABRIC FILTER	99.70
CRUSHER, IMPACT	315000.00 T/YR	PM	0.1000 LB/H 0.3000 T/YR	FABRIC FILTER	99.70

NOTES --------
EXISTING LIMESTONE COMPANY IS ADDING AN ADDITIONAL CRUSHER, BELTS, DRYER, ETC., TO INCREASE TOTAL CAPACITY. VISIBLE EMISSION L IMITS OF 7% IMPOSED, PER NSPS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/20/1987

SOURCE TYPE/SIZE: LIME MANUFACTURING

COMPANY NAME/SITE LOCATION: DAN RIVER, INC. , VA PITTSYLVANIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30242
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
(804)-786-1433 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/03/87
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PREHEATER, INDIRECT AIR FIRED		SO2	0.2000 LB/MMBTU 1.9900 LB/H	LOW SULFUR OIL	
		NO2	0.1400 LB/MMBTU 1.4000 LB/H		
DRYER, CHEMICAL		PM	1.6200 LB/H 5.8400 T/YR	BAGHOUSE	99.90
SILO, CHEMICAL		PM	1.6200 LB/MMBTU 5.8400 T/YR	BAGHOUSE	99.90
PACKAGING/SHIPPING, CHEMICAL		PM	1.6200 LB/MMBTU 5.8400 T/YR	FILTER CONTAINMENT SYSTEM	
PACKAGING, CHEMICAL		CAL*	4.8600 LB/H 17.5000 T/YR	FILTER CONTAINMENT SYSTEM	

NOTES --------
TO CONSTRUCT A LIME MFG PLANT. THE SULFUR CONTENT OF THE OIL TO BE BURNED IS LIMITED TO 0.2% BY WEIGHT. CALCIUM HYDROXIDE IS A NON-CRITERIA POLLUTANT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

SOURCE TYPE/SIZE: LIME MANUFACTURING

COMPANY NAME/SITE LOCATION: DRAVO LIME CO. SAGINAW, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 411-0002-X010
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
KEN BARRETT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/18/90
ESTIMATED DATE OF START-UP-- 1990
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, LIME, #4	800.00 T/D	NOX	94.0000 LB/H 1.4000 LB/T RAW MATL. KILN OPERATION		BACT
		CO	67.0000 LB/H 1.0000 LB/T RAW MATL. KILN OPERATION		BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: ABE, INC.
SKINNER ST RT 196
EAST HAMPTON, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 182-0001
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/08/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ROCK CRUSHING	125.00 T/H	PM	3.3630 LB/H SEE NOTES	90.00
		SOX	0.7200 LB/H	
		NOX	0.4500 LB/H	
		VOC	0.0620 LB/H	
		CO	0.1250 LB/H	
		PB	1.1000 E-5 LB/H	

NOTES --------
OPERATION NOT TO EXCEED 1820 H/YR OR 227.5 T/YR STONE. ULTRA-SONIC WET DUST SUPPRESSION USED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

ID NUMBER CT-0072

SOURCE TYPE CODE 9.17

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 200.00 T/H

COMPANY NAME/SITE LOCATION: ADAMS CONSTRUCTION CO. — MYTHEVILLE, VA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 10396
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
(804)-786-0178 (PHONE)

DATE OF PERMIT ISSUANCE-- 03/18/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, JAW	200.00 T/H				
		PM	6.7000 LB/H		
			2.5000 T/YR		
				WET SUPPRESSION	90.00
CRUSHER, 3 FT CONE	150.00 T/H				
		PM	5.0000 LB/H		
			1.6000 T/YR		
				WET SUPPRESSION	90.00
SCREEN, 6 FT X 16 FT TRIPLE	400.00 T/H				
		PM	48.0000 LB/H		
			18.0000 T/YR		
				WET SUPPRESSION	90.00
		VE	10.0000 % OPACITY		

NOTES ---------
MODIFY STONE CRUSHING FACILITY BY ADDING CRUSHING & SCREENING EQUIPMENT. 180000 TONS PER YEAR SANDSTONE. 15% OPACITY ON CRUSHERS, 10% OPACITY ON TRANSFER, NSPS SUBPART 000.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION ADAMS CONSTRUCTION CO. MYTHEVILLE, VA MYTN COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 10396
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/27/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0178 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER	200.00 T/H	PM	0.4300 LB/H 0.1620 T/YR WET SUPPRESSION/ENCLOSURE	99.00

NOTES ---------
ADD CRUSHER TO EXISTING SITE. BARMAC MARK II DUROPACTOR CRUSHER, 150000 T/YR LIMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 200.00 T/H

COMPANY NAME/SITE LOCATION AIR POWER, INC. , VA FAIRFAX COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 71931
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/07/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, PRIMARY	200.00 T/H	PM	6.7200 LB/H 6.7200 T/YR WET SUPPRESSION	90.00
CRUSHER, SECONDARY	200.00 T/H	PM	6.7200 LB/H 6.7200 T/YR WET SUPPRESSION	90.00
CRUSHER, SCREENING	200.00 T/H	PM	3.8400 LB/H 3.8400 T/YR WET SUPPRESSION	90.00
TRANSFER POINTS, CONVEYOR	900.00 T/H	PM	3.1300 LB/H 3.1300 T/YR WET SUPPRESSION	90.00
PILE, OPEN STORAGE	40000.00 T/H	PM	0.3600 LB/H 1.5800 T/YR STONE WET	80.00

NOTES --------
PERMIT TO CONSTRUCT & OPERATE A STONE CRUSHING & PROCESSING PLANT. ANNUAL PRODUCTION OF STONE 400000 TONS. 2000 HRS OF OPERATI
ON PER YEAR. 15% OPACITY ON PRIMARY & SECONDARY CRUSHERS. 10% OPACITY FROM SCREENS & CONVEYOR
TRANSFER POINTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/31/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: ASPHALT CONSTRUCTION CO., INC. , CA KERN COUNTY

DETERMINATION IS
PERMIT NO. 10140098
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)

TOM PAXSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/21/88
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, AGGREGATE	175.00 T/H	PM	1.6250 LB/H	WATER SPRAY	80.00

(#) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1989

ID NUMBER CA-0271

SOURCE TYPE CODE 9.17

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: BALL, BALL, & BROSAMER, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 200342 THRU 7
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
B. HAMRYLEW (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/05/90
ESTIMATED DATE OF START-UP--- 1990
(818)-307-1503 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH	10533.00 T/D	PM	150.0000 LB/D	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: BALL, BALL, & BROSAMER, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 206159
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
R. HAHRYLEH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(818)-307-3503 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH	6202.00 T/D	PM	150.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: BALL, BALL, & BROSAMER, INC. , CA

DETERMINATION IS
PERMIT NO.
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

R. HAHRYLEH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(818)-307-3503 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. TRANSFER, CONCRETE	6202.00 T/D	PM	0.0970 GR/CF 52.0000 LB/D		

NOTES --------
EMISSIONS FIGURES BASED ON ESTIMATED EMISSION FACTORS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 300.00 T/H

COMPANY NAME/SITE LOCATION: BLAKEMORE CONSTRUCTION CORP. — PINEY RIVER, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. (3)40766
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
(804)-786-1433 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/24/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, DRUM	300.00 T/H	PM	0.0400 GR/DSCF AT STD CONDITIONS 2.5000 LB/H BAGHOUSE	99.00

NOTES --------
CONSTRUCT A DRUM MIXER ASPHALTIC CONCRETE PLANT. ANNUAL PROD. OF ASPHALTIC CONCRETE NOT TO EXCEED 200000 T/YR. NSPS SUBPART 1, STANDARDS OF PERFORMANCE FOR ASPHALTIC CONCRETE PLANTS APPLIES.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: BONANZA CONCRETE CO. , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 203600
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY) R. HAMRYLEH (AGENCY CONTACT PERSON) (818)-307-3503 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/03/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH	2070.00 T/D	PM	11.0000 LB/D	BAGHOUSE	BACT

NOTES --------
THIS ALTERATION WILL NOT CHANGE OVERALL EMISSIONS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: C.L. PHARRIS READY MIX , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 185295
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
S. FLEISHER (AGENCY CONTACT PERSON)
(714)-872-6065 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/24/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH	3000.00 CU YD/D	PM	150.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: C.L. PHARRIS READY MIX , CA

DETERMINATION IS
PERMIT NO. 185298,185301 THRU 302
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

S. FLEISHER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/24/89
ESTIMATED DATE OF START-UP-- 1989
(714)-872-6065 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH, #1	3000.00 CU YD/D	PM	150.0000 LB/D		BACT
PLANT, CONCRETE BATCH, #2	3000.00 CU YD/D	PM	150.0000 LB/D	BAGHOUSE	BACT
PLANT, CONCRETE BATCH, #3	3000.00 CU YD/D	PM	150.0000 LB/D		BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

ID NUMBER CA-0332

SOURCE TYPE CODE 9.17

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 60.00 T/H

COMPANY NAME/SITE LOCATION C.S. MUNDY QUARRIES , VA SHENANDOAH COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. (7)20676
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
CATHY TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/10/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-7764 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, HAMMER MILL	60.00 T/H	PM	86.4000 LB/H 19.4400 T/YR WET SUPPRESSION	90.00
SCREEN	60.00 T/H	PM	1.1500 LB/H 0.1700 T/YR WET SUPPRESSION	90.00
FUGITIVE EMIS, TRANSFER PTS	60.00 T/H TOTAL	PM	0.6200 LB/H 0.1400 T/YR WET SUPPRESSION	90.00
STROAGE, STOCKPILE	60.00 T/H	PM	2.3800 LB/H 0.1800 T/YR WET SUPPRESSION	85.00

NOTES --------
NOTE#1-TO CONSTRUCT A STONE CRUSHING FACILITY. NOTE#2-ANNUAL PRODUCTION OF CRUSHED STONE IS LIMITED TO 18000 TONS. HOURS OF OPERATION ARE LIMITED TO 450 PER YEAR. 15% OPACITY LIMITATION ON CRUSHER & 10% OPACITY LIMIT FROM TRANSFER PTS FROM CONVEYORS & SCREENS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 450000.00 T/YR

COMPANY NAME/SITE LOCATION CARDINAL STONE CO. , VA
GRAYSON COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 10305
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
JAMES LEHAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/05/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, CONE	240.00 T/H				
		PM	6.7000 LB/H		
			7.6000 T/YR		
				WET SUPPRESSION	90.00
		VE	15.0000 % OPACITY		
CONVEYOR, BELT, 3	450000.00 T/YR				
		VE	10.0000 % OPACITY		
		PM	48.0000 LB/H		
			54.0000 T/YR		
				WET SUPPRESSION	90.00

NOTES --------
450000 T/YR LIMIT. 2250 H/YR LIMIT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: CHAPMAN CRUSHING SERVICES, 837 MAIN ST. MONROE, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 106-0006
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
JOLENE CRANE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/12/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, JAW	62.50 T/H	PM	0.2800 LB/H 0.1400 T/YR	WET DUST SUPPRESSION	99.90
		SO2	1.1700 LB/H 0.1100 T/YR	FUEL LIMITATION	
		NOX	0.5400 LB/H 0.0500 T/YR	FUEL LIMITATION	
		VOC	0.0200 LB/H 0.0014 T/YR	FUEL LIMITATION	
		CO	0.1400 LB/H 0.0100 T/YR	FUEL LIMITATION	

NOTES --------
PLANT CONSISTS OF AUSTIN WESTERN 32"X40" JAW CRUSHER, EL JAY 54" CONE CRUSHER, CATERPILLER DIESEL ENGINE, CUMMINS DIESEL GENERATOR. MAXIMUM PLANT CAPACITY - 62.5 T/H, 75000 T/YR ROCK. MAX OPERATING HOURS - 10 H/D, 1200 H/YR.
MAX FUEL USE - 27 GAL/H, 4900 GAL/YR #2 FUEL OIL AT 0.3% SULFUR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: CHEMGOLD, INC. , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 1102001B
DETERMINATION MADE BY KERN CO. APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/15/88
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONVEYOR/SCREEN	3245.00 T/D	PM	76.9100 LB/D	WATER SPRAY AT TRANSFER PTS	
		VE	5.0000 % OPACITY		

NOTES --------
DISTRICT DETERMINATION. LIMITED TO 20 H/D

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988
SOURCE TYPE CODE 9.17

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: CORONA IND. SAND PROJECT , CA

DETERMINATION IS BACT FOR A NEM SOURCE.
PERMIT NO. 147975
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

JOHN HENNINGER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/25/86
ESTIMATED DATE OF START-UP-- 1987
(714)-877-3570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYING/SCREENING/STORAGE, SAND	100.00 T/H	PM	72.0000 LB/D	CYCLONE SEPERATOR & SCRUBBER	BAC:

NOTES --------
SOURCE TEST 180 DAYS AFTER START-UP, REG. 13. EMISSION LIMIT USING THROUPUT DAILY RECORDS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: CORONA IND. SAND PROJECT , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 147976
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

JOHN HENNINGER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/25/86
ESTIMATED DATE OF START-UP-- 1987
(714)-877-3570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SEPARATION SYS., MAGNETIC	2000.00 T/D	PM	14.0000 LB/D	SCRUBBER	BACT

NOTES --------
14 LB/D LIMIT ENFORCED WITH THRUPUT. APPROX 98% CONTROL ACHIEVED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: CORONA IND. SAND PROJECT , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 147977
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

JOHN HENNINGER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/25/86
ESTIMATED DATE OF START-UP-- 1987
(714)-877-3570 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BAGGING SYSTEM, SAND	500.00 T/D	PM	3.0000 LB/D SCRUBBER	BACT

NOTES --------
3 LB/D LIMIT ENFORCED WITH THRUPUT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: CORONA IND.
SAND PROJECT
, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 147979
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
JOHN HENNINGER (AGENCY CONTACT PERSON)
(714)-877-3570 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/25/86
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LOADOUT SYSTEM, SAND	1000.00 T/D				
		PM	7.0000 LB/D	SCRUBBER	BACT

NOTES --------
7 LB/D LIMIT ENFORCED WITH THRUPUT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 264.00 T/YR

COMPANY NAME/SITE LOCATION: D.M.L. #2 — ATKINS, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 11068
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

TOM CREASY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/18/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-0178 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, JAW, #3042	250.00 T/H				
		PM	8.4000 LB/H		
			4.1000 T/YR		
				WET SUPPERSSION	90.00
		PM10	8.4000 LB/H		
			4.1000 T/YR		
				WET SUPPRESSION	90.00
CRUSHER, GYRO, #4895	1.20 T/H				
		PM	6.7000 LB/H		
			3.2000 T/YR		
				WET SUPPRESSION	90.00
		PM10	0.4000 LB/H		
			0.2000 T/YR		
				WET SUPPRESSION	90.00
CRUSHER, GYRO, #48	105.00 T/H				
		PM	3.5000 LB/H		
			1.7000 T/YR		
				WET SUPPRESSION	90.00
		PM10	0.2000 LB/H		
			0.1000 T/YR		
				WET SUPPRESSION	90.00
CRUSHER, BARMAC	285.00 T/H				
		PM	6.3000 LB/H		
			1.4000 T/YR		
				WET SUPPRESSION	99.00
				SURFACTANT/ENCLOSURE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM10	6.3000 LB/H 1.4000 T/YR	WET SUPPRESSION SURFACTANT/ENCLOSURE	99.00
SCREEN, TRIPLE DECK	285.00 T/H				
		PM	6.8000 T/H 3.2000 T/YR	WET SUPPRESSION SURFACTANT/ENCLOSURE	99.00
		PM10	6.8000 LB/H 3.2000 T/YR	WET SUPPRESSION SURFACTANT/ENCLOSURE	99.00
MATL TRANSFER, CONVEYER	516.00 T/H				
		PM	123.8000 LB/H 99.1000 T/YR	WET SUPPRESSION SURFACTANT/ENCLOSURE	90.00
		PM10	123.8000 LB/H 99.1000 T/YR	WET SUPPRESSION SURFACTANT/ENCLOSURE	90.00
MATL STORAGE, OPEN	250.00 T/H				
		PM	9.9000 LB/H 4.8000 T/YR	WET SUPPRESSION/COVER	90.00
		PM10	9.9000 LB/H 4.8000 T/YR	WET SUPPRESSION/COVER	90.00
MATL LOAD/UNLOAD		FUG*		WET SUPPRESSION	
ROADS, HAUL		FUG*		PAVING/H2O TRUCK/TRUCK WHEEL WASH	

NOTES --------
CONSTRUCT A 264000 T/YR STONE FACILITY. 8 HOUR/DAY, 5 DAY/WK, 40 WK/YR. ALL WET SUPPRESSION SYSTEMS TO ALLOW USE OF SURFACTANT . OPACITY 7% ON BARMAC & TRIPLE DECK, 10% ON TRANSFER, 15% ON JAW & GYRO. DRILLS TO BE EQUIPT WITH DUST CONTROLS. BLASTING MATERIAL TO BE WETTED. PM MONITORING. NON-OPERATION CONTROLS REQUIRE SHUT-DOWN. PM10 FACTORS TO BE ADJUSTED .

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: DOWNEY TRANSIT MIX, INC. , CA

DETERMINATION IS
PERMIT NO.
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

FRED MINASSIAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/27/89
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6370 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH	3000.00 CU YD/D				
		PM	150.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: DONNEY TRANSIT MIX, INC. , CA

DETERMINATION IS
PERMIT NO.
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

FRED MINASSIAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(818)-572-6370 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH	1800.00 CU YD/D	PM	33.0000 LB/D 0.0210 GR/CF		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 285.00 T/H

COMPANY NAME/SITE LOCATION DWL, INC. , VA WASHINGTON COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 10239
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/05/88
ESTIMATED DATE OF START-UP--
(804)-786-0178 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, BAR-MAC	285.00 T/H	PM	6.3000 LB/H 1.1000 T/YR	WET SUPPRESSION & ENCLOSURE	99.00

NOTES --------
INSTALL NEW CRUSHER. 7% OPACITY FROM ENCLOSURE VENTS. CONSENT AGREEMENT & ORDER SIGNED FOR OPERATING WITHOUT PERMIT. PART 60, SUBPART OOO OF NSPS CFR 60.672 APPLIES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION GRANITE CONSTRUCTION , CA SACRAMENTO COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 8470
DETERMINATION MADE BY SACRAMENTO COUNTY APCD (AGENCY)

A. KENNARD (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/09/86
ESTIMATED DATE OF START-UP--
(916)-336-2107 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ROCK CRUSHING	1000.00 T/H	PM	10.0000 % OPACITY SONIC DRY FOG DUST SUPPRESSION SYS	97.00
		PM	15.0000 % OPACITY CRUSHERS ONLY SONIC DRY FOG DUST SUPPRESSION SYS	97.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: GRANITE CONSTRUCTION , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8666
DETERMINATION MADE BY SACRAMENTO COUNTY APCD (AGENCY)
A. KENNARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/29/87
ESTIMATED DATE OF START-UP-- 1987
(916)-366-2107 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ROCK CRUSHING, PORTABLE	500.00 T/H	PM	1276.0000 LB/D	WATER SPRAY BARS	BACT

NOTES --------
CRUSHER EMISSIONS - 15% OPACITY. OTHER FUGITIVE, EXCEPT TRUCK DUMPING INTO SCREENS, FEED HOPPERS, & CRUSHERS, - 15% OPACITY. PERMITTED TO OPERATE 16 H/D. THIS IS A TEMPORARY PLANT. IT SHALL NOT OPERATE AFTER JANUARY 1, 1988.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: GRANITE CONSTRUCTION CO. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 86-118
DETERMINATION MADE BY SAN JOAQUIN CO. APCD (AGENCY)
SEYED SADREDIN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/27/87
ESTIMATED DATE OF START-UP-- 1987
(209)-468-3474 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, PORTABLE ROCK	300.00 T/H	PM	59.0000 LB/D		
			161.0000 LB/D	ENTIRE PLANT SPRAY FOGGERS	47.00

NOTES --------
THRU-PUT LIMIT IS 4584 TONS PER DAY MAXIMUM. THIS PERMIT IS FOR A PORTABLE PLANT TO BE USED AT AN EXISTING PLANT LOCATION.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: GRANITE CONSTRUCTION CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 87-184,185
DETERMINATION MADE BY SAN JOAQUIN CO. APCD (AGENCY)
SEYED SADREDIN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/24/88
ESTIMATED DATE OF START-UP-- 1988
(209)-468-3474 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALTIC CONCRETE	500.00 T/H	PM	100.0000 LB/D 0.0400 GR/DSCF	VENTURI SCRUBBER	99.50

NOTES ---------
ONLY NATURAL GAS IS TO BE USED AS FUEL. NEW PLANT PERMITTED WHERE PREVIOUS 230 TON PER HOUR BATCH ASPHALTIC CONCRETE PLANT WAS PERMITTED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 1240.00 T/H

COMPANY NAME/SITE LOCATION GRAYSON COUNTY , VA GRAYSON COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 10305
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/02/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, 54" CONE	240.00 T/H	PM	8.1000 LB/H 7.6000 T/YR	WET SUPPRESSION 15% OPACITY	90.00

NOTES --------
INSTALLATION OF A NEW CRUSHER TO REPLACE TWO OLD CRUSHERS. 450000 T/YR, 2250 HOURS/YR

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION H.B. MELLOTT ESTATE, INC. CULPEPER, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. (7)40764
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

JACK SCHUBERT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/17/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, ROCK		PM	5.8800 LB/H 4.2000 T/YR WET SUPPRESSION	95.00
CRUSHER, SECONDARY, PORTABLE		PM	3.3600 LB/H 4.2000 T/YR WET SUPPRESSION	
SCREEN, TRIPLE DECK		PM	3.3600 LB/H 2.4000 T/YR WET SUPPRESSION	
MATL TRANSFER PTS, CONVEYOR		PM	2.5200 LB/H 1.8000 T/YR WET SUPPRESSION	
STORAGE, OPEN		PM	0.5100 LB/H 2.2300 T/YR	

NOTES --------
INSTALL A PORTABLE STONE CRUSHING & SCREENING PLANT. VERIFIED BY METHOD 9 OPACITY TESTING. LIMITS SET AT 15% OPACITY- CRUSHER UNITS. 10% OPACITY - SCREENS & CONVEYOR TRANSFER PTS. SECTION 120-05-0403 & PART 60, SUBPART 000, NSPS 40 CFR 60.672 APPLIES.

DATE ENTERED/UPDATED: 10/15/1988

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 9.17

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 200000.00 T/YR

COMPANY NAME/SITE LOCATION: HOLSTON RIVER QUARRY — NEWBERN, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 20431
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

TOM CREASY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/12/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0178 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, CONE	200000.00 T/YR	PM	0.2700 LB/H 0.2200 T/YR	WET SUPPRESSION	90.00
SCREEN, DOUBLE DECK	200000.00 T/YR	PM	3.3600 LB/H 2.9000 T/YR	WET SUPPRESSION	90.00
MATL TRANSFER PTS	200000.00 T/YR	PM	4.8000 LB/H 4.2000 T/YR	WET SUPPRESSION	90.00

NOTES --------
CONSTRUCT A CONE CRUSHER & A DOUBLE DECK SCREEN. CRUSHER - 15% OPACITY, SCREEN/TRANSFER - 10% OPACITY. FUGITIVE CONTROL FROM D
RILL, STROAGE, TRUCKS. PAVED ROAD FROM SCALES TO STATE ROAD. AMBIENT MONITORING SITE FOR PM.
JAW CRUSHER, 20" X 36", TO BE SHUT DOWN. NSPS - SUBPART 1 APPLIES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: KERN ROCK CO. , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 1025018A
DETERMINATION MADE BY KERN COUNTY APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/09/89
ESTIMATED DATE OF START-UP--
(805)-861-3682 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HOPPER/CONVEYOR, AGGREGATE	300.00 T/H	PM10	59.8800 LB/D	H2O SPRAY/ENCLOSURES	BACT

NOTES --------
SOURCE LIMITED TO 10 HOURS/DAY, 5 DAYS/WEEK.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/17/1989

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION LOUDOUN QUARRIES , VA
LOUDOUN COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 70363
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/24/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, PRIMARY ROCK	800.00 T/H				
		PM	20.1600 LB/H 16.8000 T/YR	WET SUPPRESSION.	90.00

NOTES --------
INSTALL A REPLACEMENT PRIMARY CRUSHER. EMISSIONS FROM PRIMARY CRUSHER ARE LIMITED TO 15% OPACITY. NSPS REQUIREMENTS OF 40 CFR 60.672, SUBPART 000 APPLY. AN OPACITY LIMIT OF 15% IS IMPOSED ON THE PRIMARY CRUSHER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 350.00 T/H

COMPANY NAME/SITE LOCATION: LOUNDOUN QUARRIES — STERLING, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 70363
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/22/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, SECONDARY STONE	350.00 T/H	PM	5.3800 LB/H 6.1800 T/YR	PRESSURIZED WET SUPPRESSION	92.00
CRUSHER, TERTIARY STONE	250.00 T/H	PM	35.5200 LB/H 40.8500 T/YR	PRESSURIZED WET SUPPRESSION	92.00
SCREENS, 2	400.00 T/H	PM	7.6800 LB/H 8.8300 T/YR	PRESSURIZED WET SUPPRESSION	92.00
MATL TRANSFER, 13 PTS		PM	5.8500 LB/H 6.7200 T/YR	PRESSURIZED WET SUPPRESSION	92.00
STORAGE, OPEN		PM	0.7000 LB/H 3.0700 T/YR	PRESSURIZED WET SUPPRESSION	92.00

NOTES --------
MODIFY STONE CRUSHING PLANT. PLANT MAXIMUM CAPACITY IS 400 T/H. BACT MEETS NSPS. PERMIT REQUIRES OPACITY LIMIT OF 15% FROM CRUSHERS, 10% FROM SCREENS/TRANSFER POINTS. PM10 EMISSIONS ARE 85% OF TOTAL PARTICULATES, REFER TO FILE. PRESSURIZED CONTROLS ARE AT 75 PSI PRESSURE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 1.50 MMT/YR

COMPANY NAME/SITE LOCATION: LUCK STONE CORP. , VA — GOOCHLAND COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 50429
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

TOM CREASY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/15/85
ESTIMATED DATE OF START-UP-- 1985
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHING, PRIMARY	1.50 MMT/YR				
		PM	21.0000 T/YR	DUST SUPPRESSION, SEE NOTE#2	90.00
CRUSHING, SCREENING	834000.00 T/YR				
		PM	11.7000 T/YR	DUST SUPPRESSION, SEE NOTE#2	90.00
CRUSHING, TERTIARY	925000.00 T/YR				
		PM	0.0400 GR/DSCF	BAGHOUSE, ECS 108-C10	90.00
RECRUSHING	300000.00 T/YR				
		PM	0.0400 GR/DSCF	BAGHOUSE, DCE VOLKS V45-15	90.00
MISC. OPERATIONS	1.50 MMT/YR				
		PM	150.0000 T/YR	DUST SUPPRESSION, SEE NOTE#2	90.00
DRYER OVERHEAD VENT, 2	11025.00 T/YR				
		PM	4.3300 T/YR EA	BAGHOUSE	85.00
DRYER BOTTOM VENT, 4	11025.00 T/YR				
		PM	3.3000 T/YR EA	BAGHOUSE	99.90
		VOC	2.6000 T/YR EA	BAGHOUSE	99.90
SEPARATER, AIR, SCREEN SIFTER, 4	11025.00 T/YR				

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		PM	0.3000 T/YR EA BAGHOUSE	99.90
SILO, SURGE, 4	11025.00 T/YR			
		PM	0.3000 T/YR EA BAGHOUSE	99.90
BLENDER, AIR	11025.00 T/YR			
		PM	0.7000 T/YR BAGHOUSE	99.90
SILO, PACK-OUT	11025.00 T/YR			
		PM	0.4000 T/YR BAGHOUSE	99.90

NOTES --------
NOTE#1-INCREASED PROD. AT PLANT FROM 700000 T/YR TO 1500000 T/YR. NOTE#2-A JOHNSON MARCH DUST SUPPRESSION SYS. W/CHEM. WETTING AGENT AT THE CRUSHERS, SCREENS, & TRANSFER PTS. IN THE PLANT. ORDINARY WATER IS USED ON HAUL ROADS & STORAGE PILES. NOTE#3-CONSTRUCTION OF A POLYACRYLATE BATCH PROCESS, WHICH WILL UTILIZE GLACIAL ACRYLIC ACID & OTHER CHEM. TO FORM A POLYACYLIC POWDER. NOTE#4-THE BAGHOUSE EFFICIENCY OF 99.9% & SCRUBBER EFFICIENCY OF 85%. OVERALL-99.75% EFFICIENCY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 1.90 MMT/YR

COMPANY NAME/SITE LOCATION: LUCK STONE CORP. — GOOCHLAND, VA

DETERMINATION IS B/N FOR A MODIFIED SOURCE.
PERMIT NO. 50431
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/05/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CP-1 & CP-2	135.00 T/H			
		PM	0.0220 GR/DCF	
			0.5800 T/YR	
			BAGHOUSE	99.90
		VE	7.0000 % OPACITY	
SCREEN, TRIPLEDECK	150.00 T/H			
		PM	0.0220 GR/DCF	
			0.0300 T/YR	
			BAGHOUSE	99.90
		VE	7.0000 % OPACITY	
PLANT, MAIN				
		VE	15.0000 % OPACITY, CRUSHERS	
			10.0000 % OPACITY, TRANSFER PTS	
			WET SUPPRESSION	90.00

NOTES --------
MODIFY PLANT BY INSTALLING A TERTIARY CRUSHER TO INCREASE PRODUCTION FROM 350000 TO 1900000 T/YR AT MAIN PLANT & FROM 310000 T O 380000 T/YR AT CHIP PLANT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 1.40 MMT/YR

COMPANY NAME/SITE LOCATION: LUCK STONE CORP. , VA — FAUQUIER COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. (7)40751
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
CATHY TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/15/87
ESTIMATED DATE OF START-UP-- 1988
(804)-786-7764 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, PRIMARY	700.00 T/H				
		PM	18.8200 LB/H		
			18.8200 T/YR		
				WET SUPPRESSION	92.00
CRUSHER, SECONDARY	350.00 T/H				
		PM	9.4100 LB/H		
			9.4100 T/YR		
				WET SUPPRESSION	92.00
SCREEN TOWER, #ST-1	1050.00 T/H				
		PM	16.1300 LB/H		
			16.1300 T/YR		
				WET SUPPRESSION	92.00
CRUSHER, TERTIARY	220.00 T/H				
		PM	0.0500 GR/DRY CUBIC METER AT STD COND.		
			6.5700 T/YR		
				BAGHOUSE	99.00
CRUSHER, TERTIARY	175.00 T/H				
		PM	0.0500 GR/DRY CUBIC METER AT STD COND.		
			6.5700 T/YR		
				BAGHOUSE	99.00
SCREEN TOWER, #ST-1	395.00 T/H				
		PM	0.7600 LB/H		
			0.7600 T/YR		
				BAGHOUSE	99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/20/1987

(CONTINUED) LUCK STONE CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CONVEYOR TRANSFER POINTS	6725.00 T/H	PM	18.7200 LB/H 18.7200 T/YR	WET SUPPRESSION	92.00
STORAGE, OPEN	1.40 MMT/YR	PM	2.8400 LB/H 18.4800 T/YR	WATER TRUCKS	85.00

NOTES --------
PERMIT TO CONSTRUCT/OPERATE STONE QUARRY. ANNUAL CRUSHED STONE PROD LIMITED TO 1.4MMT. HOURS OF OPERATION LIMITED TO 3432/YR. SAMPLING FOR ASBESTOS REQ ANNUALLY FOR 3 YRS. 7% OPACITY LIMIT ON THE 2 TERTIARY CRUSHERS & SCREEN TONER, ST-2, 15% OPACITY LIMIT ON THE PRIMARY & SECONDARY CRUSHERS. 10% OPACITY LIMIT FOR THE BELT CONVEYORS, TRANSFER POINTS, & SCREEN TONER, ST-1.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/20/1987

ID NUMBER VA-0089

SOURCE TYPE CODE 9.17

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 600.00 T/H

COMPANY NAME/SITE LOCATION LUCK STONE CORP. , VA
GOOCHLAND COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 50431
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/03/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, PRIMARY ROCK, PORTABLE	600.00 T/H				
		PM	16.8000 LB/H		
			11.2000 T/YR		
				THOUGHPUT LIMIT	95.00
		VE	15.0000 % OPACITY		

NOTES --------
INSTALL A PORTABLE PRIMARY JAW CRUSHER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION LUCK STONE CORP. , VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 50946
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/27/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, TERTIARY	850000.00 T/YR				
		PM/*	5.7000 LB/H 7.9000 T/YR	BAGHOUSE	99.90

NOTES --------
INSTALL A TERTIARY CRUSHER. NSPS - SUBPART 000. OPACITY 7% & 10% FOR PLANT TRANSFER POINT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 7750.00 T/YR

COMPANY NAME/SITE LOCATION LUCK STONE CORP. , VA ALBERMARLE COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. (5)40256
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

KATHERINE MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/09/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, TERTIARY	775000.00 T/YR	PM	5.7600 LB/H 7.2000 T/YR	BAGHOUSE	99.90
		PM10	9.6000 LB/H 12.0100 T/YR	BAGHOUSE	99.90

NOTES --------
INSTALL A REPLACEMENT TERTIARY CRUSHER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE TONE QUARRYING, SAND/GRAVEL 1.30 MMT/YR

COMPANY NAME/SITE LOCATION LUCK STONE CORP. , VA LOUDOUN COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 70143
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/05/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-1411 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, TERTIARY		PM	22.2000 LB/H 48.1000 T/YR	WET SUPPRESSION, JOHNSON-MARCH	96.00
		PM10	22.2000 LB/H 48.1000 T/YR		

NOTES --------
VISIBLE EMISSIONS NOT TO EXCEED 15%. OPERATIONS NOT TO EXCEED 5400 H/YR. ANNUAL PRODUCTION LIMITED TO 1300000 TONS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: MASCOR BUILDERS, INC.
POST ROAD
WATERFORD, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 199-0015
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/09/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, GRAVEL	75.00 T/H	PM	1.3500 LB/H	WATER SPRAY SYSTEM	90.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: MASSEY SAND & ROCK CO. , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 187381
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
J. HENNINGER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/20/89
ESTIMATED DATE OF START-UP-- 1989
(714)-872-6069 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHING, ROCK	9600.00 T/D				
		PM	150.0000 LB/D	BAGHOUSE	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: OLIVER DE SILVA, INC. DIAMOND, CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 30724
DETERMINATION MADE BY BAY AREA AQMD (AGENCY)
GREG STONE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/02/86
ESTIMATED DATE OF START-UP--
(415)-771-6000 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ROCK CRUSHING	300.00 T/H	PM	0.0200 GR/DSCF	BAGHOUSE H2O SPRAY	99.70
		VE	10.0000 % OPACITY		
PLANT, CONCRETE BATCH	300.00 T/H	VE	10.0000 % OPACITY	FABRIC FILTER H2O SPRAY	99.00
PLANT, ASPHALT CONCRETE	350.00 T/H	PM	0.0200 GR/DSCF	VENTURI SCRUBBER	99.70

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 125000.00 T/YR

COMPANY NAME/SITE LOCATION: PRINCE PAVING CO., INC. , VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 50045
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/21/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, ASPHALT BATCH		PM	0.0400 GR/DSCF AT STD CONDITIONS 2.8000 T/YR	BAGHOUSE	99.90
		FOR*	0.0300 LB/H 0.0300 T/YR	BAGHOUSE	99.90

NOTES --------
MODIFY OF AN ASPHALT BATCH PLANT. ANNUAL PROD OF CONCRETE LIMITED TO 125000 T/YR. OPER SCHED - 10 H/D, 5 D/WK. BURNER USING NA T GAS/#2 FUEL OIL. SULFUR CONTENT OF OIL NOT TO EXCEED 0.3% BY WT PER SHIPMENT.
NSPS - SUBPART I APPLIES.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 185.00 T/H

COMPANY NAME/SITE LOCATION: R.G. GRIFFITH, INC. , VA — FAIRFAX COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 71939
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)

JACK SCHUBERT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/22/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, ROCK, PORTABLE	185.00 T/H	PM	5.0400 LB/H 7.2600 T/YR WET SUPPRESSION SYSTEM	NSPS 90.00

NOTES --------
TO INSTALL A PORTABLE ROCK CRUSHING PLANT. OPACITY LIMIT OF 15 IS ESTABLISHED BY PERMIT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 496000.00 T/YR

COMPANY NAME/SITE LOCATION: RIM ROCK QUARRIES, INC. — LITTLE STONE GAP, VA — WISE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 10867
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

KATHERINE MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/18/85
ESTIMATED DATE OF START-UP-- 1985
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, JAW	496000.00 T/YR	PM	8.3300 T/YR WET SUPPRESSION	90.00
CRUSHER, CONE	105600.00 T/YR	PM	1.7800 T/YR WET SUPPRESSION	90.00
CRUSHER, GYADISC	105600.00 T/YR	PM	1.1800 T/YR FABRIC FILTER	90.00
MATL. HANDLING, SCREENING & CON*	500.00 T/YR	PM	59.5200 T/YR WET SUPPRESSION	90.00
STORAGE, OPEN	500.00 T/YR	PM	9.8200 T/YR WET SUPPRESSION	90.00

NOTES --------
NEW STONE CRUSHING & HANDLING EQUIPMENT ADDED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: ROBERTSONS READY MIX, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 180621
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
J. HENNINGER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/05/89
ESTIMATED DATE OF START-UP-- 1989
(714)-872-6069 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH	1000.00 CU YD/D	PM	150.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: ROBERTSONS READY MIX, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 180623
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
J. HENNINGER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/30/89
ESTIMATED DATE OF START-UP-- 1989
(714)-872-6069 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH	2000.00 CU YD/D	PM	150.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 520000.00 T/YR

COMPANY NAME/SITE LOCATION: SHENANDOAH ASPHALT, INC. — VESUVIUS, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 21093
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)

JIM LEHAN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/10/87
ESTIMATED DATE OF START-UP-- 1988
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, J&W	520000.00 T/YR			
		PM	6.8000 LB/H	
			8.7400 T/YR	
			WET SUPPRESSION	
		PM10	0.4100 LB/H	
			0.5300 T/YR	
			WET SUPPRESSION	
CRUSHER, CON	520000.00 T/YR			
		PM	6.8000 LB/H	
			8.7400 T/YR	
		PM10	0.4100 LB/H	
			0.5300 T/YR	
SCREEN, 4 EA	520000.00 T/YR			
		PM	3.9000 LB/H	
			4.9900 T/YR	
		PM10	2.9000 LB/H	
			3.7500 T/YR	
LOADING, TRUCK	520000.00 T/YR			
		PM	0.0900 LB/H	
			0.1100 T/YR	
		PM10	0.0300 LB/H	
			0.0380 T/YR	
TRANSFER POINTS	520000.00 T/YR			
		PM	12.7000 LB/H	
			16.5200 T/YR	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM10			
PILE, STORAGE	520000.00 T/YR				
		PM	31.6000 LB/D		
			0.4100 T/YR		
		PM10	1.5200 LB/D		
			0.2000 T/YR		
CRUSHER, CONE, WET SAND	130000.00 T/YR				
		PM	1.0800 LB/H		
			1.4100 T/YR		
				FLOOD & WET SUPPRESSION	
TRANSFER POINT, WET SAND	130000.00 T/YR				
		PM	2.6900 LB/H		
			3.5000 T/YR		
				FLOOD & WET SUPPRESSION	

NOTES --------
CONSTRUCTION OF A SAND & SURFACE STONE PLANT. THE ENTIRE PLANT IS CONTROLLED BY FLOODING AND/OR WET SUPPRESSION, WITH AN OPACI
TY LIMIT OF 15% ON ALL CRUSHERS, & 10% ON ALL OTHER EMISSION POINTS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 500.00 T/H

COMPANY NAME/SITE LOCATION: SHENDOAH QUARRIES , VA — BEDFORD COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 30818
DETERMINATION MADE BY VIRGINIA APCB (AGENCY) — KATHERINE MILLER (AGENCY CONTACT PERSON) — (804)-786-1433 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/22/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, PRIMARY	500.00 T/H				
		PM	16.8000 LB/H 16.8000 T/YR	SEE NOTE#2	90.00
CRUSHER, SECONDARY	250.00 T/H				
		PM	8.4000 LB/H 12.6000 T/YR	SEE NOTE#2	90.00
CRUSHER, TERTIARY	80.00 T/H				
		PM	0.7800 LB/H 3.8900 T/YR	BAGHOUSE	99.00
CONVEYING, SCREENING	330.00 T/H				
		PM	53.6100 LB/H 42.2000 T/YR	WET SUPPRESSION	90.00
STORAGE PILES	220.00 T/H				
		PM	16.5000 LB/H 16.5000 T/YR	WET SUPPRESSION	90.00
BAGHOUSES		VE	5.0000 % OPACITY		

NOTES --------
NOTE#1-CONSTRUCTION OF A GRANITE QUARRY & STONE CRUSHING FACILITY. NOTE#2-PRIMARY & SEC. CRUSHER WILL BE CONTROLLED BY WET SUP PRESSION, IF H2O IS NOT ADEQUATE THE CRUSHER WILL BE CONTROLLED BY BAGHOUSES. NOTE#3-THE QUARRY SITE WILL BE BUFFERED BY WHITE PINES. NOTE#4-ALL PTS OTHER THAN THE TERTIARY CRUSHER WILL BE CONTROLLED BY WET SUPPRESSION. THE ROCK SAMPLES AT THE QUARRY & HAULED FROM OTHER LOCATIONS WILL BE TESTED ANNUALLY FOR ASBESTOS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: SILOTEC, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 185873
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
S. FLEISHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/19/89
ESTIMATED DATE OF START-UP-- 1989
(714)-872-6065 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE	300.00 T/D				
		PM	75.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: SILOTEC, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 185873
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
S. FLEISHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/19/89
ESTIMATED DATE OF START-UP-- 1989
(714)-872-6065 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE	300.00 LB/D	PM	150.0000 LB/D	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 350000.00 T/YR

COMPANY NAME/SITE LOCATION STUART M. PERRY , VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. (7)20326
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/09/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, SECONDARY	250.00 T/H	PM	2.3500 LB/H 2.3500 T/YR WET SUPPRESSION	96.00
CRUSHER, TERTIARY	250.00 T/H	PM	3.5500 LB/H 3.5500 T/YR	
SCREENS	250.00 T/H	PM	1.6500 LB/H 1.6500 T/YR	
MATL TRANSFER PTS, CONVEYOR	250.00 T/H	PM	1.2000 LB/H 1.2000 T/YR	
STORAGE, OPEN	250.00 T/H	PM	0.7100 LB/H 3.1200 T/YR	

NOTES --------
SOURCE IS A LIMESTONE QUARRY. PERMIT ALLOWS INSTALLATION & OPERATION OF ADDITIONAL ROCK PROCESSING EQUIPMENT. WET SUPPRESSION SYSTEM OPERATED UNDER 100 PSIG PRESSURE. 40CFR 60.672, SUBPART 000

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 500.00 T/H

COMPANY NAME/SITE LOCATION TARMAC - LONESTAR, INC. RICHMOND, VA

DETERMINATION IS B/M
PERMIT NO. 50943
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

KATHERINE MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/30/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, PRIMARY JAW	500.00 T/H	PM	8.4000 LB/H 13.1000 T/YR SEE NOTE#2		90.00
SCREEN, #2 - T.D.	450.00 T/H	PM	7.2000 LB/H 11.3000 T/YR SEE NOTE#2		90.00
CRUSHER, PRIMARY CONE	500.00 T/H	PM	4.2000 LB/H 7.0000 T/YR SEE NOTE#2		90.00
SCREEN, #4 - T.D.	360.00 T/H	PM	5.8000 LB/H 9.0000 T/YR SEE NOTE#2		90.00
CRUSHER, SECONDARY	180.00 T/H	PM	5.0000 LB/H 7.9000 T/YR SEE NOTE#2		90.00
PILE FORMATION	500.00 T/H	PM	3.9000 LB/H 6.1000 T/YR SEE NOTE#2		90.00
LOADING, TRUCK	500.00 T/H				

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

(CONTINUED) TARMAC - LONESTAR, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		PM	1.8000 LB/H 2.8000 T/YR	SEE NOTE#2	90.00

NOTES ---------
NOTE#1 - PERMIT TO INSTALL A PORTABLE CRUSHING PLANT TO OPERATE FOR 1 YEAR & TO INSTALL NEW PRIMARY CRUSHER & SCREEN AT THE EX ISTING SITE. NOTE#2 - EMISSIONS TO BE CONTROLLED BY A JOHNSON-MARCH SYSTEM WET SUPPRESSION SYSTEM.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/15/1987

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 25.00 T/H

COMPANY NAME/SITE LOCATION TARMAC - LONESTAR, INC. , VA PRINCE GEORGE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 50964
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/28/87
ESTIMATED DATE OF START-UP-- 1988
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO, CEMENT	5.00 T/H	PM	0.0600 LB/H 0.0400 T/YR	BAGFILTER SYSTEM	95.00
HOPPER LOADING	25.00 T/H	PM	0.0400 LB/H 0.0900 T/YR	WATER SPRAY	75.00
MIXER	25.00 T/H	PM	0.0600 LB/H 0.0400 T/YR	WATER SPRAY	75.00
TRAFFIC, TRUCK	30.00 TRUCKS/D	PM	5.0100 LB/H 13.0300 T/YR	WATER SPRAY	75.00
		PM10	2.3000 LB/H 5.9000 T/YR	WATER SPRAY	75.00

NOTES --------
CONSTRUCTION OF A PAVER BLOCK PLANT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/20/1987

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: TILCON TOMASSO, INC. — WALLINGFORD, CT
1605 DURHAM RD

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 189-0070
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
ANITA MASIH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/27/88
ESTIMATED DATE OF START-UP-- 1988
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, PRIMARY	1000.00 T/H	PM	1.8000 LB/H WET DUST SUPPRESSION	90.00

NOTES --------
MAX PRODUCTION RATE - 2000 LB/H CLEAN BEDROCK WITH 1.5 TO 4% RETAINED MOISTURE. MAX OPACITY 10%. OPERATING CONSTRAINTS - 8 H/D , 240 D/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 280.00 T/H

COMPANY NAME/SITE LOCATION: TREGO STONE CORP. — SKIPPER, VA — GREENSVILLE COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 50331
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/05/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CRUSHING	280.00 T/H			
		PM	33.1000 LB/H	NSPS
			51.3000 T/YR	
			WET SUPPRESSION	90.00

NOTES --------
INSTALLATION OF A PORTABLE ROCK CRUSHING PLANT. NSPS-SUBPART 000 - STANDARDS OF PERFORMANCE FOR NON-METALLIC MINERAL PROCESSIN G PLANTS BEING APPLIED. OPACITY OF THE CRUSHER LIMITED TO 15%, OPACITY OF THE TRANSFER POINTS LIMITED TO 10%.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

APPENDIX -- DETAILED SOURCE LISTING

05/30/1990

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 2.40 MMT/YR

COMPANY NAME/SITE LOCATION: TREGO STONE CORP. — SKIPPERS, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 50331
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/26/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER	2.40 MMT/YR				
		PM	273.4000 LB/H 352.3000 T/YR		
				WET SUPPRESSION SYSTEM	90.00

NOTES --------
MODIFY STONE CRUSHING FACILITY. MODEL RUN FOR NON-CRITERIA POLLUTANTS. PM EMISSIONS REDUCED FROM 432 T/YR TO 353 T/YR. OPACITY LIMIT 15% ON CRUSHERS, 10% ON SCREENING, CONVEYING & TRANSFER OPERATIONS. FUGITIVE DUST EMISSIONS CONTROLLED BY A WATER TRUCK. NSPS, SUBPART I ASPHALT CONCRETE PLANT. TESTING REQUIRED FOR PM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL — 500.00 T/D

COMPANY NAME/SITE LOCATION: TRI-STATE LIME & STONE, INC. ROUTE 694 — BRISTOL, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 11056
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
(804)-786-0178 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/07/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, JAW	500.00 T/D	PM	12.0000 LB/H 5.0000 T/YR 15% OPACITY, WET SUPPRESSION	NSPS 90.00
DRILLING, ROTARY		PM	DRY CONTROL	
ROADS, HAUL		PM	WATER SPRAY	
MATL TRANSFER, CONVEYING		PM	10.0000 % OPACITY	

NOTES --------
CONSTRUCT A LIMESTONE CRUSHING FACILITY. 199680 T/YR CRUSHED STONE, CRUSHING LIMITED TO 2080 H/YR, GEOLOGIST'S REPORT REQUIRED THAT ASBESTOS IN ROCK IS LESS THAN 1 PERCENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987
SOURCE TYPE CODE 9.17

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION VIRGINIA TRAP ROCK, INC. LEESBURG, VA

DETERMINATION IS B/N FOR A MODIFIED SOURCE.
PERMIT NO. 70681
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY) KATHERINE MILLER (AGENCY CONTACT PERSON) (804)-786-1433 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/20/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, TERTIARY	140.00 T/H	PM	12.4300 LB/H 10.3600 T/YR	WET SUPPRESSION	96.00
SCREENING TOWER		PM	1.0800 LB/H 0.9000 T/YR	WET SUPPRESSION	96.00
TRANSFER PTS., CONVEYOR		PM	1.9500 LB/H 1.6200 T/YR	WET SUPPRESSION	96.00
STORAGE, OPEN		PM	0.5700 LB/H 2.0800 T/YR	WET SUPPRESSION.	96.00

NOTES --------
INSTALL ADDITIONAL TERTIARY ROCK CRUSHER & ASSOC. EQUIP. OPACITY LIMITS - TERT. CRUSHER 15%, SCREEN TOWER 10%, TRANSFER PTS 10 %. SOURCE MEETS NSPS REQUIREMENTS OF 40 CFR 60.672, SUBPART 000. WET CONTROL SYSTEM WILL OPERATE AT 100 PSIG.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 4.90 MMT/YR

COMPANY NAME/SITE LOCATION VULCAN MATERIALS , VA
PRINCE WILLIAM COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 70175
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
CATHY TAYLOR (AGENCY CONTACT PERSON)
(804)-786-4867 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/02/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, PRIMARY, GRANITE	2550.00 T/H	PM	8.6000 LB/H 8.2300 T/YR	HIGH PRESSURE WET SUPPRESSION	99.00
CRUSHER, SECONDARY, 2	1660.00 T/H	PM	5.4000 LB/H 6.0100 T/YR	HIGH PRESSURE WET SUPPRESSION	99.00
CRUSHER, TERTIARY, 3	1880.00 T/H	PM	40.0000 LB/H 38.6300 T/YR	HIGH PRESSURE WET SUPPRESSION	99.00
SCREEN TOWERS	8800.00 T/H	PM	16.9000 LB/H 24.3300 T/YR	HIGH PRESSURE WET SUPPRESSION	99.00
CONVEYOR TRANSFER PTS	24000.00 T/H	PM	8.4000 LB/H 12.0300 T/YR	HIGH PRESSURE WET SUPPRESSION	99.00
STORAGE, OPEN	2550.00 T/H	PM	101.0000 LB/H 24.2600 T/YR	HIGH PRESSURE WET SUPPRESSION	99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

(CONTINUED) VULCAN MATERIALS

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				

NOTES --------
ANNUAL PRODUCTION OF CRUSHED STONE LIMITED TO 4.9 MMT. HOURS OF OPERATION LIMITED TO 2880 H/YR. PLANT AREA & HAUL ROADS FUGITIVE DUST CONTROLLED BY WATER TRUCKS. FIFTEEN PERCENT OPACITY LIMITATION ON UNITS. TEN PERCENT OPACITY LIMITATION FOR TRANSFER POINTS & BELT CONVEYORS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 05/05/1987

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 2.40 MMT/YR

COMPANY NAME/SITE LOCATION VULCAN MATERIALS LAWRENCEVILLE, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. 30395
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/10/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, PRIMARY		PM	3.0000 LB/H 4.3000 T/YR WET SUPPRESSION	90.00
CRUSHER, SECONDARY		PM	2.5000 LB/H 3.4000 T/YR WET SUPPRESSION	90.00
CRUSHER, TERTIARY		PM	15.5000 LB/H 20.8000 T/YR WET SUPPRESSION	90.00
SCREEN DECK, DRY		PM	5.8000 LB/H 13.5000 T/YR WET SUPPRESSION	90.00
MATL TRANSFER, CONVEYOR		PM	2.4000 LB/H 5.6000 T/YR 3% LIMIT ON MOISTURE IN ROCK	
STORAGE, OPEN PILES		PM	0.4000 T/YR WET SUPPRESSION	

NOTES --------
INSTALL A NEW TERTIARY CRUSHER AT STONE CRUSHING FACILITY. CONSOLIDATED ALL EXISTING PERMITS. 2409750 T/YR OF CRUSHED STONE. O
PACITY AT ALL EMISSION POINTS NOT TO EXCEED 10%. IF ANY LIMITS ARE EXCEEDED THE CRUSHING
OPERATION WILL BE SHUT DOWN. NSPS - 40 CFR 60.672, SUBPART 000. PM - TESTING REQUIRED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 2550.00 T/H

COMPANY NAME/SITE LOCATION VULCAN MATERIALS CO. , VA FAUQUIER COUNTY

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. (7)40213
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)

JACK SCHUBERT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/23/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, PRIMARY	2550.00 T/H	PM	8.5700 LB/H 6.8600 T/YR WET SUPPRESSION	99.00
CRUSHER, SECONDARY, 2 EA	800.00 T/H	PM	5.0400 LB/H 5.0100 T/YR WET SUPPRESSION	99.00
CRUSHER, TERTIARY, 4 TOTAL	3.60 MMT/YR	PM	35.5200 LB/H 32.1900 T/YR WET SUPPRESSION	99.00
MATL HANDLING, CONVEYOR	70.70 MMT/YR	PM	16.9000 LB/H 20.2800 T/YR WET SUPPRESSION	99.00
SCREENING TOWER, 4	25.37 MMT/YR	PM	8.3500 LB/H 10.0200 T/YR WET SUPPRESSION	99.00
STORAGE, OPEN	1.22 MMT/YR	PM	100.9800 LB/H 20.2100 T/YR WET SUPPRESSION	90.00

DATE ENTERED/UPDATED: 06/22/1988

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 9.17

(CONTINUED) VULCAN MATERIALS CO.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					

NOTES --------
SOURCE IS REPLACING OLD EQUIPMENT, WILL INCREASE THROUGHPUT SIGNIFICANTLY WHILE ACHIEVING A NET EMISSIONS REDUCTION. NSPS - OP
ACITY LIMITS OF 10% FROM CRUSHERS & 7% FROM TRANSFER POINTS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE STONE QUARRYING, SAND/GRAVEL 220.00 T/YR

COMPANY NAME/SITE LOCATION M.S. FREY CO., INC. , VA FREDERICK COUNTY

DETERMINATION IS B/L
PERMIT NO. (7)20900
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
CATHY TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/15/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-7764 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, TERTIARY	220.00 T/H	PM	0.4900 LB/H 1.0200 T/YR	BAGHOUSE	99.90
SCREENS	220.00 T/H	PM	0.0500 LB/H 0.0800 T/YR	BAGHOUSE	99.90
CONVEYOR TRANSFER POINTS	1090.00 T/H	PM	11.3800 LB/H 23.6600 T/YR	WET SUPPRESSION	70.00
STORAGE, OPEN	914000.00 T/H	PM	6.1900 LB/H 27.1400 T/YR	WET SUPPRESSION	50.00

NOTES --------
ANNUAL PRODUCTION OF CRUSHED STONE IS LIMITED TO 915200 TONS. HOURS OF OPERATION ARE LIMITED TO 4160 PER YEAR. 7% OPACITY LIMI
TATION ON THE TERTIARY CRUSHER & SCREENS. 10% OPACITY LIMITATION IS ON THE TRANSFER POINTS & STORAGE PILES.

DATE ENTERED/UPDATED: 11/02/1987

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 9.17

SOURCE TYPE/SIZE: STONE QUARRYING, SAND/GRAVEL

COMPANY NAME/SITE LOCATION: WALTER V. STAPLETON, INC. QUARRY RD. — TRUMBULL, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 185-0006
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY) — JOLENE CRANE (AGENCY CONTACT PERSON) — (203)-566-8230 (PHONE)

DATE OF PERMIT ISSUANCE-- 08/26/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, ROCK & RECYCLER	200.00 T/H				
		PM	4.0520 LB/H		
			4.0520 T/YR		
				WET DUST SUPPRESSION	99.90
		SO2	0.4210 LB/H		
			0.4210 T/YR		
				FUEL LIMITATION	
		NOX	6.3320 LB/H		
			6.3320 T/YR		
				FUEL LIMITATION	
		VOC	0.4330 LB/H		
			0.4330 T/YR		
				FUEL LIMITATION	
		CO	1.3770 LB/H		
			1.3770 T/YR		
				FUEL LIMITATION	

NOTES ---------
FUEL TYPE IS #2 FUEL OIL. MAX FUEL USAGE - 13.5 GAL/H, 27000 GAL/YR. MAXIMUN OPERATING HOURS - 10 H/D, 2000 H/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: MINING OPERATIONS

COMPANY NAME/SITE LOCATION: SONRISE CONSTRUCTION & EQUIPMENT, 173 SUMMIT RD — PROSPECT, CT

DETERMINATION IS BACT
PERMIT NO. 151-0001
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
ERNEST BOUFFARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/15/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CRUSHER, ROCK	90.00 T/H				
		PM	0.0020 LB/T		
				ULTRASONIC SPRAYS	99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 300.00 T/H

COMPANY NAME/SITE LOCATION: AMBROSE BRANCH COAL CO., INC. , VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 10612
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

TOM CREASY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/08/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-0178 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SCREENING/LOADING/CRUSHING	300.00 T/H				
		PM	9.8000 LB/H		
			16.4000 T/YR		
				H2O SPRAY	90.00
		PM10	9.8000 LB/H		
			16.4000 T/YR		
				H2O SPRAY	90.00

NOTES --------
MODIFY COAL TRIPPLE FACILITY. FUGITIVE DUST WATER TRUCK & ROAD PAVING. 1000000 T/YR COAL PROCESSED, 10 H/D TIPPLE OPERATION. 1
0% OPACITY. VOIDS JUNE 28, 1978 PERMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 36000.00 LB/H

COMPANY NAME/SITE LOCATION: ARCOA/LEECO ACME RESIN CORP, 4243 SOUTH AVE. — TOLEDO, OH

DETERMINATION IS BACT
PERMIT NO. 04-453
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — JEFFREY THADDLE (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER, SHAR, #2	15000.00 LB/H	PM	0.3000 LB/H	BAGHOUSE	99.90
MIXER, SHAR, #3	15000.00 LB/H	PM	0.3000 LB/H	BAGHOUSE	99.90
MIXER, MARION, #1	3000.00 LB/H	PM	0.0600 LB/H	BAGHOUSE	99.90
MIXER, MARION, #2	3000.00 LB/H	PM	0.0600 LB/H	BAGHOUSE	99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 56.00 T/H

COMPANY NAME/SITE LOCATION: ATLAS STONE CO. — SYLVANIA, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-404
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/24/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROADS	127300.00 SQFT	PM	NOT APPLICABLE SPEED REDUCTION & SURFACE TREATMENT	SIP
STORAGE PILES	7000.00 T	PM	NOT APPLICABLE WATERING, MIN HT DROP	SIP 90.00
MATL LOADING, CEMENT/SAND/AGGRE*	56.00 T/H	PM	SEE NOTES FABRIC FILTER WATERING	SIP 90.00
MATL LOADING, WEIGH HOPPER/MIXER	56.00 T/H	PM	SEE NOTES FABRIC FILTER WATERING	SIP 90.00

NOTES ---------
FABRIC FILTERS ON CEMENT SILO & TRANSFER CONVEYOR. SAND & AGGREGATE KEPT MOIST. EMISSIONS LIMITATIONS ON LOADING ARE EXTENSIVE . PLEASE CALL FOR INFORMATION.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 90.00 T/H

COMPANY NAME/SITE LOCATION: ATLAS STONE CO., 3835 CENTENNIAL AVE. — SYLVANIA, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. OH-437
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1983
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL UNLOADING, CEMENT	70.00 T/H	PM	0.0000 % OPACITY BAGHOUSE PNEUMATIC UNLOADING	99.00
SILO, STORAGE, 3 TOTAL	1581.00 T	PM	0.0000 % OPACITY BAGHOUSE	99.00
MATL LOADING, CEMENT	90.00 T/H	PM	0.0000 % OPACITY BAGHOUSE	99.00

NOTES --------
ONE BAGHOUSE USED FOR ALL OPERATIONS, CONT. EFFICIENCY IS ESTIMATE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/23/1987

APPENDIX -- DETAILED SOURCE LISTING

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: A1-GRITCO CO. , CA

DETERMINATION IS
PERMIT NO. 147331,2 & 148354
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

R. HAMRYLEN (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 11/13/89
ESTIMATED DATE OF START-UP--
(818)-307-3503 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
PROCESS EQUIP., MISC.	1000.00 T/D	PM	8.4000 LB/D 0.0036 GR/CF

NOTES --------
EMISSION FIGURES BASED ON ESTIMATED EMISSION FACTORS. NO SOURCE PERFORMANCE TEST HAS AVAILABLE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990
SOURCE TYPE CODE 9.21

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 64.00 T/H

COMPANY NAME/SITE LOCATION: BIG RIVER INDUSTRIES, LIVLITE DIVISION — LIVINGSTON, AL

DETERMINATION IS
PERMIT NO. 412-0005-X003
DETERMINATION MADE BY ALABAMA DEM (AGENCY)

KEN BARRETT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/06/89
ESTIMATED DATE OF START-UP-- 1989
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, LIGHT WT AGGREGATE	64.00 T/H RAW MATL	PM	24.0000 LB/H		
			0.3700 LB/T RAW MATL	MULTICLONES/WET SCRUBBER	99.60
		SO2	145.0000 LB/H		
			2.2400 LB/T RAW MATL	WET SCRUBBER	80.00
		NOX	60.0000 LB/H		
			0.9400 LB/T RAW MATL	CONTROL EXCESS AIR	
		CO	80.0000 LB/H		
			1.2300 LB/T RAW MATL	GOOD COMBUSTION PRACTICES	

NOTES --------
BACT DETERMINED BY TECHNOLOGY & ECONOMICS. WET SCRUBBER PROPOSED WILL CONTROL PM & SO2. THE SOURCE OF THE SULFUR IS THE FUEL, COAL 1.5%S, & RAW MATERIAL, CLAY 0.4%S.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/01/1989

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: BJ - TITAN SERVICES CO. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 214080,1
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
R. HAMRYLEW (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990
(818)-307-3503 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER, PNEUMATIC & STORAGE	320000.00 LB/D CEMENT	PM	7.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: BJ - TITAN SERVICES CO. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 210193 THRU 5
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
R. HANRYLEN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990
(818)-307-3503 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER, PNEUMATIC & STORAGE	320000.00 LB/D	PM	11.0000 LB/D	BAGHOUSE & DUST COLLECTOR	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: COFFMAN CONSTRUCTION, INC. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 160831
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

DANNY LUONG (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/06/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6170 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH	350.00 CU YARD/H	PM	36.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: COFFMAN CONSTRUCTION, INC. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 160832
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
DANNY LUONG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/05/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6170 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO, CEMENT	600.00 BBL	PM	5.4000 LB/D	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION DOW CHEMICAL U.S.A. FREEPORT, TX BRAZORIA COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 18579
DETERMINATION MADE BY TEXAS ACB (AGENCY)
BART HAGLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/05/88
ESTIMATED DATE OF START-UP-- 1988
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SCRUBBER		VOC	0.3000 T/YR		BACT
		NOX	12.0000 T/YR		
		CO	3.0000 T/YR		
		PM	0.5000 T/YR		
		HCL	0.5000 T/YR		
		CL2	13.8000 T/YR		
FUGITIVES		CL2*	0.1000 T/YR		BACT

NOTES ---------
CL2/OCL=CHLORINE/HYPOCHLORITES. THE SCRUBBER STACK CL2 CONCENTRATION IS LIMITED TO 30 PPMV.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: EAGLE ROOFING PRODUCTS DIV. BURLINGAME , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. SEE NOTE
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
S. BARROS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/11/89
ESTIMATED DATE OF START-UP-- 1989
(714)-872-6067 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MFG LINE, ROOFING TILE	100.00 UNITS/MIN	PM	16.0000 LB/D	2 BAGHOUSES	BACT
MFG LINE, ROOFING TILE, STD MEI*	100.00 UNITS/MIN	PM	8.0000 LB/D	2 BAGHOUSES	BACT
MFG LINE, ROOFING TILE, TRIM LI*	30.00 UNITS/MIN	PM	2.0000 LB/D	BAGHOUSE	BACT
MATL. HANDLING, CEMENT TRANSFER*	3451.00 CU FT	PM	0.0480 LB/D	BAGHOUSE	BACT
MATL. HANDLING, PERLITE TRANSFE*	2618.00 CU FT	PM	0.0000 LB/D	BAGHOUSE	BACT

NOTES ---------
PERMIT NUMBERS 184584, 184585, 184586, 184595, & 184596.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: EXCEL MINERALS , CA

DETERMINATION IS: FOR A MODIFIED SOURCE.
PERMIT NO. 1019021A-026A
DETERMINATION MADE BY KERN CO. APCD (AGENCY)
TOM PAXSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/15/88
ESTIMATED DATE OF START-UP--
(805)-831-9251 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, NON-METALIC MINERAL PROC*		PM	131.5100 LB/D 0.0100 GR/DSCF	FABRIC FILTER	BACT

NOTES ---------
TIME OF OPERATION LIMIT IS 20 H/D. FUEL USE LIMIT IS 640 MMBTU/D.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: EXOLON - ESK — HENNEPIN, IL

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 78040002
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)
C. ROMAINE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/20/89
ESTIMATED DATE OF START-UP-- 1990
(217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, SILICON CARBIDE		SO2		HOME IF USED FOR PRODUCTION	BACT
			98.0000	% REMOVAL IF PLANT DISPOSAL	
				STETFORD SYSTEM	99.00
				DESULFURIZATION	
MATL. PROCESSING		PM	0.0150	GR/DSCF	BACT
				FABRIC FILTER	
				ENCLOSURES	
		VE	0.0000	% OPACITY	BACT

NOTES ---------
MAXIMUM UNCONTROLLED SO2 EMISSIONS ARE 2400 LB/H.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: GREENE'S READY MIXED CONCRETE , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 145807
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
DANNY LUONG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/17/87
ESTIMATED DATE OF START-UP-- 1986
(818)-572-6170 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO, CEMENT	4100.00 CF	PM	2.2000 LB/D	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: GREENE'S READY MIXED CONCRETE , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 144927
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
DANNY LUONG (AGENCY CONTACT PERSON)
(818)-572-6170 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/17/87
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH	750.00 CU YD/H	PM	60.5000 LB/D	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: GREENE'S READY MIXED CONCRETE , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 143032
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
DANNY LUONG (AGENCY CONTACT PERSON)
(818)-572-6170 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/17/87
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO, CEMENT STORAGE	1000.00 BBL	PM	2.2000 LB/D	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: GREENE'S READY MIXED CONCRETE , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 143031
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
DANNY LUONG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/17/87
ESTIMATED DATE OF START-UP-- 1986
(818)-572-6170 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL RECEIVING, AGGREGATE	270.00 T/H				
		PM	8.1000 LB/D		BACT
				H2O SUPPRESSION	99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: HERZOG CONTRACTING CORP. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 159185
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

FRED DEL ROSARIO (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/01/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6439 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO, CEMENT STORAGE	364.00 T/D	PM	11.0000 LB/D	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: HERZOG CONTRACTING CORP. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 159186
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

FRED DEL ROSARIO (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/01/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6439 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BATCH	5500.00 T/D	PM	27.5000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 360.00 T/H

COMPANY NAME/SITE LOCATION: KUHLMAN CORP. — HARRISON TOWNSHIP, OH — HENRY COUNTY

DETERMINATION IS
PERMIT NO. 04-534
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY TNADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO, CEMENT	45.00 T/H	PM	0.1200 LB/H	BAGHOUSE	BACT 99.00
		VE	0.0000 % OPACITY		
HOPPER, WEIGH, CEMENT	45.00 T/H	PM	0.1200 LB/H	BAGHOUSE	BACT 99.00
MATL. HANDLING	360.00 T/H	PM		COVERED CONVEYING, WATERING	BACT
MATL. LOADING, TRUCKS	360.00 T/H	PM		EXTENDED BOOT INTO TRUCK	BACT
STORAGE PILE	2000.00 T	PM		MAINTAIN MOISTURE, MIN HT. DROP	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

ID NUMBER OH-0166

SOURCE TYPE CODE 9.21

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 47.60 MMBTU/H

COMPANY NAME/SITE LOCATION: KYANITE MINING CORP. , VA — BUCKINGHAM COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30677
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

TOM CREASY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/10/85
ESTIMATED DATE OF START-UP-- 1985
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, KILN	47.60 MMBTU/H				
		PM	30.9100 T/YR	COAL IS 10% ASH BY WEIGHT	95.00
		SO2	228.5700 T/YR	COAL IS 0.9% SULFUR BY WT., SEE NOTE#4	
		VOC	15.5600 T/YR	ENGINEERING DESIGN	
		NOX	119.9500 T/YR	ENGINEERING DESIGN	
		CO	88.8700 T/YR	ENGINEERING DESIGN	
		FLU*	15.1900 T/YR	WET SCRUBBER, SEE NOTE#2	90.00
ROADS, HAUL		PM		WET SCRUBBER, SEE NOTE#3	

NOTES --------
NOTE#1-CONSTRUCTION OF A NEW KILN DRYER, 2 BALL MILLS, & ASSOC. EQUIPMENT. NOTE#2-WET SCRUBBER IS ALSO USED TO HELP CONTROL PM . NOTE#3-CONDITION DOES NOT APPLY DURING SUBFREEZING TEMPERATURES.
NOTE#4-THE SULFUR CONTENT OF THE #6 OIL SHALL NOT EXCEED 2.5%. NOTE#5-FLOURIDE IS A NON-CRITICAL POLLUTANT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: LA HABRA PRODUCTS , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 156328
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
R. HAMRYLEW (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/09/89
ESTIMATED DATE OF START-UP-- 1987
(818)-307-3503 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXING/BAGGING SYSTEM, PLASTER	10800.00 LB/H	PM	5.3000 LB/D 0.1740 GR/CF	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: MARINE TERMINALS CORP. , CA

DETERMINATION IS: FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY: SOUTH COAST AQMD (AGENCY) | S. KARAM (AGENCY CONTACT PERSON) | (818)-572-6926 (PHONE)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. TRANSFER, CEMENT UNLOADING					
		PM	150.0000 LB/D		BACT
				BAGHOUSE	99.90
				CANVAS COVER	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 80000.00 METRIC T/YR

COMPANY NAME/SITE LOCATION: NL CHEMICALS, INC. — LAKE CHARLES, LA — CALCASIEU PARISH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-LA-553
DETERMINATION MADE BY LOUISIANA DEQ (AGENCY)
ADDISON TATUM (AGENCY CONTACT PERSON)
(504)-342-0107 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/11/89
ESTIMATED DATE OF START-UP-- 1991

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STACK, PROCESS OFF-GAS	54250.00 CU.FT/MIN	SO2	573.0000 LB/H 2037.0000 T/YR, SEE NOTE	INNOVATIVE TECHNOLOGY	BACT 90.00
		NOX	0.2200 LB/H 0.9100 T/YR		
		PM	0.0040 LB/H 0.0200 T/YR		
BOILER, UTILITY, 2	128.58 MMBTU/H	SO2	0.0700 LB/H 0.3000 T/YR		BACT
		NOX	12.9000 LB/H 54.0000 T/YR	LOW NOX BURNER	
		PM	0.3100 LB/H 1.3000 T/YR		
MATL. STORAGE, MISC.		PM		FABRIC FILTER BAGHOUSE	BACT 99.50

NOTES ---------
SO2 EMISSIONS TO BE CONTROLLED TO 204 T/YR BY INNOVATIVE TECHNOLOGY INCORPORATING HYDROLYSIS FOR TRS CONVERSION TO H2S FOLLOWED BY CAUSTIC SCRUBBING.

DATE ENTERED/UPDATED: 12/31/1989

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

SOURCE TYPE CODE 9.21

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: OCEAN SALT CO., INC. , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 157476
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
FRED DEL ROSARIO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1964
(818)-572-6239 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYING/CLASSIFYING, SALT	200.00 T/D	PM	26.0000 LB/D	TWO SCRUBBERS	BACT

NOTES --------
SOURCE HAS ALREADY CONSTRUCTED & GIVEN A PERMIT TO OPERATE, 7-20-87.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: OREO BLOCK CO. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 186230 THRU 1
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
S. BARROS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/15/89
ESTIMATED DATE OF START-UP-- 1989
(714)-872-6067 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, CONCRETE BLOCK, #1	566.00 CU YD/D	PM	150.0000 LB/D	BAGHOUSE	BACT
PLANT, CONCRETE BLOCK, #2	566.00 CU YD/D	PM	150.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 1800.00 LB/H

COMPANY NAME/SITE LOCATION: PLASKON ELECTRONIC MATERIALS, INC. 2829 GLENDALE — TOLEDO, OH 43614 — LUCAS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-544
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — JEFFREY THADDLE (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)
DATE OF PERMIT ISSUANCE-- 1989
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PREBLEND	1200.00 LB/H	PM	0.0012 LB/H	TWO FABRIC FILTERS IN SERIES	BACT 100.00
DENSIFICATION, COLD	1200.00 LB/H	PM	0.0012 LB/H	TWO FABRIC FILTERS IN SERIES	BACT 100.00
EXTRUDER, COMPOUNDING	1800.00 LB/H	PM	0.0018 LB/H	TWO FABRIC FILTERS IN SERIES	BACT 100.00
CLASSIFYING, FINE GRINDING	1800.00 LB/H	PM	0.0018 LB/H	TWO FABRIC FILTERS IN SERIES	BACT 100.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/01/1989

ID NUMBER ON-0169

SOURCE TYPE CODE 9.21

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: POZZOLANIC INTERNATIONAL
ST. HELENS INVESTMENTS, INC. DBA
, CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 148047
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

ARTURO ARREOLA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 10/22/86
ESTIMATED DATE OF START-UP-- 1986
(818)-572-6192 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECEIVING/STORAGE, FLYASH	1000.00 T/D	PM	15.0000 LB/D	BAGHOUSE	BACT 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 1.50 BOAT/H

COMPANY NAME/SITE LOCATION: RAVEN BOATWORK , VA — HENRY COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30832
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/22/88
ESTIMATED DATE OF START-UP--
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LAMINATING	1.50 BOAT/H	VOC	34.8000 LB/H 41.9000 T/YR	DESIGN LIMITS	
COATING, GEL	1.50 BOAT/H	VOC	1.7000 LB/H 2.0000 T/YR	DESIGN LIMITS	
LAMINATING & COATING		STY*	36.5100 LB/H 43.7000 T/YR		
PROCESS OPER., TRIM & SANDING		PM		ZERO EMISSIONS BAGHOUSE	100.00

NOTES --------
CONSTRUCT A FIBERGLASS MANUFACTURING PLANT. MODELING REQUIRED FOR STATE NON-CRITERIA RULE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: TUTOR-SALIBA CORP. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 158065
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

DANNY LUONG (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/07/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6170 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BATCH PLANT, PORTABLE WET CONCR*	135.00 HP	PM	30.9000 LB/D	BAGHOUSE	BACT 99.00

NOTES --------
EMISSION LIMIT IS MONITORED USING THRUPUT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: TUTOR-SALIBA CORP. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 158121
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
DANNY LUONG (AGENCY CONTACT PERSON)
(818)-572-6170 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/07/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECEIVING/STORAGE, AGGREGATE	270.00 T/D	PM	9.7000 LB/D WATER SPRAY	BACT 50.00

NOTES --------
EMISSION LIMIT IS MONITORED USING THRUPUT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: TUTOR-SALIBA CORP. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 158127
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
DANNY LUONG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/07/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6170 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO, STORAGE, CEMENT	3940.00 CU FT				
		PM	9.7000 LB/D		BACT
				SILO VENT FILTER	99.00

NOTES --------
EMISSION LIMIT IS MONITORED USING THRUPUT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 532860.00 LB/H

COMPANY NAME/SITE LOCATION: UNLIMITED CONCRETE, NORTH DETROIT — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-386
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
(419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 04/08/87
ESTIMATED DATE OF START-UP-- 1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROADWAYS	0.33 MILES	PM	NOT APPLICABLE SURFACE TREATMENT & SPEED REDUCTION	SIP 90.00
STORAGE PILE, 2 EA	300.00 T	PM	NOT APPLICABLE WATERING	SIP 90.00
LOADING, CEMENT/SAND/AGGREGATE	532860.00 LB/H	PM	SEE NOTES MAINTAIN MOISTURE & VENT TO BAGHOUSE	SIP 99.60
LOADING, WEIGH HOPPERS/TRANSIT *	532860.00 LB/H	PM	SEE NOTES MAINTAIN MOISTURE & VENT TO BAGHOUSE	SIP 99.60

NOTES --------
CEMENT SILO & WEIGH HOPPER VENTED TO BAGHOUSES, SAND & AGGREGATES KEPT MOIST. EXTENSIVE CRITERIA FOR EMISSIONS FROM LOADING, C
ALL FOR INFORMATION.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY — 10.00 T/H

COMPANY NAME/SITE LOCATION: UNLIMITED CONCRETE, SECOR ROAD — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-397
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — DALE KRYGIELSKI (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/28/87
ESTIMATED DATE OF START-UP-- 1983
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROADS	0.01 MILES	PM	NOT APPLICABLE SURFACE TREATMENT & SPEED REDUCTION	SIP 90.00
STORAGE PILE, 2 EA	100.00 T	PM	NOT APPLICABLE WATERING	SIP 90.00
MATL TRANSFER, CEMENT/SAND/AGGR*	85.00 T/H	PM	SEE NOTES BAGHOUSE MAINTAIN MOISTURE	SIP 99.00
MATL LOADING, WEIGH HOPPERS/TRA*	10.00 T/H	PM	SEE NOTES BAGHOUSE MAINTAIN MOISTURE	SIP 99.00

NOTES --------
CEMENT SILO & WEIGH HOPPER VENTED TO BAGHOUSES, SAND & AGGREGATE KEPT MOIST. EMISSION LIMIT ON LOADING & TRANSFER IS EXTENSIVE . PLEASE CALL FOR INFORMATION.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: WILLIAMS BROTHERS CONCRETE, INC. — MAUMEE, OH
1350 FORD ST. — LUCAS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-548
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY) — JEFFREY THADDLE (AGENCY CONTACT PERSON) — (419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SILO, CEMENT	30.00 T/H				
		PM	0.0700 LB/H		BACT
			0.0000 % OPACITY		
				BAGHOUSE	99.00
HOPPER, CEMENT WEIGH	50.00 T/H				
		PM	0.0700 LB/H		BACT
			0.0000 % OPACITY		
				BAGHOUSE	99.00
MATL HANDLING					
		PM			BACT
				COVERED CONVEYORS	
MATL LOADING, TRANSIT MIX TRUCKS					
		PM			BACT
				EXTENDED BOOT INTO TRUCK/H20 ADDED AT BOOT	
STORAGE PILES					
		PM			BACT
				MAINTAIN MOISTURE/MIN DROP HEIGHT	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

SOURCE TYPE/SIZE: OTHER MINERAL PRODUCTS INDUSTRY

COMPANY NAME/SITE LOCATION: MYROC, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 186168
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY) S. FLEISHER (AGENCY CONTACT PERSON) (714)-872-6065 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/12/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PLANT, AGGREGATE	2500.00 T/D				
		PM	150.0000 LB/D	BAGHOUSE/FABRIC FILTER	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: ALABAMA RIVER PULP CO. — PURDUE HILL, AL 36470 — MONROE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 106-0010
DETERMINATION MADE BY ALABAMA DEM (AGENCY) — KEN BARRETT (AGENCY CONTACT PERSON) — (205)-271-7861 (PHONE)

DATE OF PERMIT ISSUANCE-- 01/22/90
ESTIMATED DATE OF START-UP-- 1991

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY, #2	5.50 MMLB/DAY BLS				
		PM	0.0250 GR/DSCF AT 8% O2		BACT
			67.7000 LB/H		
				ESP	99.60
		SO2	314.2000 LB/H		BACT
			0.3000 LB/MMBTU, FUEL OIL		
		H2S*	15.7000 LB/H		BACT
		CO	200.0000 PPMV AT 8% O2		BACT
			275.0000 LB/H		
		NOX	75.0000 PPMV AT 8% O2		BACT
			169.4000 LB/H		
		VOC	0.0480 LB/MMBTU		BACT
			70.2000 LB/H		
		VE	35.0000 % OPACITY		NSPS
		TRS	5.0000 PPMV AT 8% O2		BACT
			8.3000 LB/H		
		BE	0.0060 LB/H		BACT
TANK, SMELT, #2	114.60 T/H BLS				
		PM	0.1200 LB/T BLS		BACT
			13.8000 LB/H		
				WET SCRUBBER	
		SO2	3.6000 LB/H		BACT
		TRS	0.0330 LB/T BLS		BACT
			3.8000 LB/H		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

(CONTINUED) ALABAMA RIVER PULP CO

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, LIME, #2	465.00 T/D CAO				
		PM	0.0350 GR/DSCF AT 10% O2		
			12.6000 LB/H NAT GAS		
		PM	0.0670 GR/DSCF AT 10% O2		BACT
			24.2000 LB/H OIL		
				ESP	99.72
		SO2	18.4000 LB/H		BACT
		H2S*	0.9000 LB/H		BACT
		CO	52.0000 PPMV AT 10% O2		BACT
			9.5000 LB/H		
		VE	20.0000 % OPACITY		
		NOX	100.0000 PPMV AT 10% O2		BACT
			30.1000 LB/H		
		VOC	78.0000 PPMV AT 10% O2		BACT
		TRS	8.0000 PPMV AT 10% O2		BACT
			1.8000 LB/H		
BOILER, WOOD WASTE FIRED	266.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		BACT
			26.6000 LB/H		
				MULTICYCLONE & ESP	
		SO2	0.3000 LB/MMBTU		BACT
			79.8000 LB/H		
		H2S*	4.0000 LB/H		BACT
		CO	0.3000 LB/MMBTU		
		NOX	0.1000 LB/MMBTU NAT GAS/FUEL OIL		
			0.2500 LB/MMBTU WOOD		
		VOC	0.0300 LB/MMBTU		
		VE	20.0000 % OPACITY		
DIGESTER,EVAPORATORS,STRIPPER &*		TRS			BACT
				INCINERATION	

NOTES --------
WHEN FUEL OIL FIRED IN RECOVERY,NSPS SUBPART DB APPLIES

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: BLANDIN PAPER CO. — GRAND RAPIDS, MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. AMEND #8 TO #636A-84-OT-1
DETERMINATION MADE BY MINNESOTA PCA (AGENCY)

ELIZABETH HENDERSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/07/89
ESTIMATED DATE OF START-UP-- 1990
(612)-296-7554 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, MULTI-FUEL, 2 EA	318.00 MMBTU/H				
		PM	0.0700 LB/MMBTU INPUT	ESP	BACT
		NOX	0.2000 LB/MMBTU INPUT	SNCR, THERMAL DENOX	BACT 50.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/31/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: BOISE CASCADE — INTERNATIONAL FALLS, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 102A-89-OT-2
DETERMINATION MADE BY MINNESOTA APC (AGENCY)

DATE OF PERMIT ISSUANCE-- 05/12/89
ESTIMATED DATE OF START-UP-- 1990

LIBBIE HENDERSON (AGENCY CONTACT PERSON)
(612)-296-7554 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, NAT GAS FIRED	373.00 MMBTU/H				
		NOX	0.0500	LB/MMBTU 30D ROLL AVG	BACT
				FLUE GAS RECIRCULATION	50.00
		CO	0.0900	LB/MMBTU	BACT
				COMBUSTION CONTROL	
		VOC	0.0090	LB/MMBTU	BACT
				COMBUSTION CONTROL	
BOILER, NAT GAS FIRED	205.00 MMBTU/H				
		NOX	0.0500	LB/MMBTU 30D ROLL AVG	BACT
				FLUE GAS RECIRCULATION	50.00
		CO	0.0900	LB/MMBTU	BACT
				COMBUSTION CONTROL	
		VOC	0.0090	LB/MMBTU	BACT
				COMBUSTION CONTROL	
BOILER, RECOVERY	571.00 MMBTU/H				
		NOX	80.0000	PPMDV AT 8% O2	BACT
			86.9000	LB/H	
				COMBUSTION CONTROL	
		CO	600.0000	PPMDV AT 8% O2	BACT
			396.4000	LB/H	
				COMBUSTION CONTROL	
		VOC	2.8000	PPMDV AT 8% O2	BACT
			3.0000	LB/H	
				COMBUSTION CONTROL	
		TRS	5.0000	PPMDV AT 8% O2	BACT
				COMBUSTION CONTROL	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/01/1989

(CONTINUED) BOISE CASCADE

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, LIME	230.00 T/D				
		NOX	42.5000 LB/H		BACT
			220.0000 PPM		
				COMBUSTION CONTROL	
		CO	23.7000 LB/H		BACT
			240.0000 PPM		
				COMBUSTION CONTROL	
		VOC	11.4000 LB/H		BACT
			185.0000 PPM		
				COMBUSTION CONTROL	
		TRS	8.0000 PPMDV AT 10% O2, 12H AVG		BACT
			1.1000 LB/H		
				COMBUSTION CONTROL	
WASHER, BROWN STOCK	1000.00 BDTUP/D				
		VOC	0.2000 LB/T ADUP		BACT
		TRS	0.1200 LB/T ADUP		BACT
SMELT TANK	2.30 MMLB/D BLS				
		VOC	0.0900 LB/T BLS		BACT
				EXISTING SCRUBBER	
		TRS	0.0330 LB/T BLS		BACT
				EXISTING SCRUBBER	
STRIPPER/HEAT RECOVERY/CONDENSE*					
		TRS			BACT
				INCINERATE IN LIME KILN W/SO2 SCRUBBER	
PLANT, BLEACH	900.00 BDTBP/D				
		CHL*	1.3300 T/MONTH		UNRG
				DUAL SCRUBBER, CAUSTIC & CHILLED H2O	99.00
		CHL*	0.4100 LB/H		UNRG
				SCRUBBER, CHILLED H2O	90.00
		CHL*	1.2000 LB/H		UNRG
				CHILLED WATER SCRUBBER	

NOTES --------
SOURCE NETTED OUT FOR BP/PM10. LOCATED IN PM NON-ATTAINMENT AREA. ALSO NETTED OUT FOR SO2. NOX, CO, VOC ARE ONLY BACT POLLUTAN
TS. DID LEVEL III. VISIBLITY ANALYSIS FOR CLASS I AREA - 12 MILES AWAY. NOX LIMITS ARE DERIVED FROM THAT REVIEW -
THEREFORE NOT REALLY BACT?

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 07/01/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: BOISE CASCADE CORP. RUMFORD, ME

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. A-214-71-E-A/R
DETERMINATION MADE BY MAINE DEP (AGENCY)
JANE GILBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/18/89
ESTIMATED DATE OF START-UP--
(207)-289-2437 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY	4.00 MMLB/D BLS				
		PM10	0.0440 GR/DSCF		BACT
			65.0000 LB/H		
				ESP	
		SO2	100.0000 PPMDV		BACT
			206.3000 LB/H		
				COMBUSTION CONTROL	
		CO	222.0000 LB/H		BACT
				COMBUSTION CONTROL	
		VOC	3.7000 LB/H		BACT
				COMBUSTION CONTROL	
		NOX	134.0000 LB/H		BACT
				COMBUSTION CONTROL	
		TRS	5.0000 PPM, 12H AVG		BACT
				COMBUSTION CONTROL	
		VE	30.0000 % OPACITY, 6 MIN AVG		BACT
KILN, LIME	327.00 T/D PRODUCT				
		PM10	0.0670 GR/DSCF		BACT
			24.0000 LB/H		
				WET VENTURI SCRUBBER	
		TRS	8.0000 PPM, 12H AVG		BACT
		SO2	23.0000 LB/H		BACT
				2.5% SULFUR #6 OIL	
		NOX	52.0000 LB/H		BACT
		CO	39.0000 LB/H		BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		VOC	2.0000 LB/H		BACT

NOTES --------
ADDITIONAL CONTACT PERSON IS MARC CONE. INCREASED CAPACITY FROM 3.118 TO 4.0 MMLB/D BLS. TRS FROM 4.0 MMLB/D BLS SOURCE IS TO BE INCINERATED IN THE KILN.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 2000.00 T/D ADP

COMPANY NAME/SITE LOCATION: BRUNSWICK PULP & PAPER CO. — BRUNSWICK, GA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 2931-063-9072
DETERMINATION MADE BY GEORGIA EPD (AGENCY)

DATE OF PERMIT ISSUANCE-- 01/31/86
ESTIMATED DATE OF START-UP-- 1986

D. YARDUMIAN (AGENCY CONTACT PERSON)
(404)-656-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, LIME, 85	1060.00 T/D LIME MU*				
		PM	0.0670 GR/DSCF NAT GAS		NSPS
			0.1300 GR/DSCF FUEL OIL		
				AHLSTROM EDUCTION SCRUBBER	99.30
		TRS	8.0000 PPM AT 10% O2		NSPS
				AHLSTROM EDUCTION SCRUBBER	90.00

NOTES --------
SCRUBBER TO USE CAUSTIC FOR TRS CONTROL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: CHAMPION INTERNATIONAL — COURTLAND, AL 35618 — LAWRENCE COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 707-0001
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
KEN BARRETT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/18/89
ESTIMATED DATE OF START-UP-- 1991
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY, #3	4.18 MMLBS/D BLS				
		PM	0.0270 GR/SDCF AT 8% O2		BACT
			61.0000 LB/H		
				ESP	99.80
		NOX	75.0000 PPMV AT 8% O2		BACT
			170.0000 LB/H		
		CO	200.0000 PPMV AT 8% O2		BACT
			228.4000 LB/H		
		VOC	0.0480 LB/MMBTU		BACT
			48.0000 LB/H		
SMELT TANK, #3					
		PM	0.1200 LB/T BLS		BACT
			10.5000 LB/H		
				VENTURI WET SCRUBBER	96.00
KILN, LIME, #3	300.00 T/D CAO				
		PM	0.0350 GR/SDCF AT 10% O2		
			7.2000 LB/H, N.G.		
				VENTURI WET SCRUBBER	99.50
		PM	0.0700 GR/SDCF AT 10% O2		
			14.4000 LB/H, FUEL OIL		
				VENTURI WET SCRUBBER	93.00
		NOX	175.0000 PPMV AT 10% O2		BACT
			29.8000 LB/H		
		CO	200.0000 PPMV AT 10% O2		BACT
			20.8000 LB/H		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		VOC	31.0000 PPMV AT 10% O2 9.8000 LB/HR	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 1000.00 DRY T PULP/D

COMPANY NAME/SITE LOCATION: CONSOLIDATED PAPERS, INC. KRAFT DIVISION — WISCONSIN RAPIDS, WI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 86-AJH-001
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
ALLEN HUBBARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/14/87
ESTIMATED DATE OF START-UP-- 1987
(608)-266-3450 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, LIME	300.00 T/D CAO				
		PM	0.0500	GR/DSCF AT 10% O2, GAS	BACT
			0.0670	GR/DSCF AT 10% O2, OIL	
				VENTURI SCRUBBER	
		TRS	8.0000	PPMDV AT 10% O2	BACT
		SO2	40.0000	PPMDV	BACT
			6.9000	LB/H	
		NO2	240.0000	PPMDV	BACT
			29.8000	LB/H	
		CO	220.0000	PPMDV AT 10% O2	BACT
			28.2000	LB/H	
		VE	20.0000	% OPACITY	BACT
BOILER, RECOVERY	1.40 MMLB/D BLS				
		PM	0.0330	GR/DSCF AT 8% O2	BACT
				ESP	
		TRS	5.0000	PPMDV AT 8% O2	BACT
		SO2	158.0000	PPMDV	BACT
			114.6000	LB/H	
		NO2	53.0000	PPMDV	BACT
			27.5000	LB/H	
		CO	1000.0000	PPMDV	BACT
			317.6000	LB/H	
		VE	20.0000	% OPACITY	BACT
TANK, SMELT DISSOLVING	27600.00 LB/H SMELT				

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM	0.1200 LB/T BLS	WET SCRUBBER	BACT
		TRS	0.0168 LB/T BLS		BACT
		SO2	24.0000 PPMDV		BACT
			2.3000 LB/H		
		VE	20.0000 % OPACITY		BACT

NOTES --------
EXISTING KILNS PROD. UP FROM 180 TO 300 T/D CAO. SCRUBBER WILL CONTROL PM/TRS/SO2. PROPER KILN DESIGN & COMBUST. PRACTACES WIL L MIN. CO & NO2 EMIS. BOILER CAP. ON A DRY SOLIDS BASIS. BOILER DESIGN & OPER. FOR HIGH COMBUST. EFF. WILL MIN. TRS,SO2,NO2, & CO. CASCADE EVAP. TO REDUCE SO2. DIRECT CONTACT BLACK LIQUOR OXIDATION W/SUPPLE. MOLECULAR O2 TRIM WILL MIN. TRS. NEW SMELT TANK COUPLED W/NEW REC. BOILER. UNCONTAMINATED, FRESH, WATER IN SCRUB. WILL MIN. TRS. SCRUBBER TO CONTROL SO2/PM.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: CONSOLIDATED PAPERS, INC. KRAFT DIVISION — WISCONSIN RAPIDS, WI

DETERMINATION IS
PERMIT NO. 89-AJH-091
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
ALLEN HUBBARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/26/90
ESTIMATED DATE OF START-UP-- 1990
(608)-266-3450 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, NAT GAS FIRED	566.50 MMBTU/H				
		PM	0.0050	LB/MMBTU NAT GAS FIRING	BACT
			0.0150	LB/MMBTU OIL FIRING	
		SO2	0.0010	LB/MMBTUNAT GAS FIRING	BACT
			0.5000	LB/MMBTU OIL FIRING	
		NOX	0.0500	LB/MMBTU NAT GAS FIRING	BACT
			0.1000	LB/MMBTU OIL FIRING	
				LOW NOX BURNERS, FLUE GAS RECIRCULATION	75.00
		VE	10.0000	% OPACITY NAT GAS FIRING	BACT
			20.0000	% OPACITY OIL FIRING	
		CO	0.1200	LB/MMBTU NAT GAS FIRING	BACT
			0.1200	LB/MMBTU OIL FIRING	
				PROPER COMBUSTION	
		VOC	1.0000	LB/H	SIP
PAPER MACHINE 16	600.00 T/D				
		PM	0.0180	LB/MMBTU	BACT
		SO2	0.0006	LB/MMBTU	BACT
		NOX	0.1250	LB/MMBTU	BACT
				LOW NOX BURNERS	
		CO	0.0170	LB/MMBTU	BACT
		VE	10.0000	% OPACITY	BACT
		VOC	1.0000	LB/H	SIP

NOTES --------
LNB W/FGR SELECTED OVER SCR/SNCR DUE TO HIGH LEVEL OF NOX REDUCTION AT RELATIVELY LOW COST. DISTILLATE FUEL OIL IS ONLY USED W HEN NAT GAS IS CURTAILED BY SUPPLIERS,THUS THERE'S NO PERMIT REQUIRMENT FOR 90% SO2 REDUCTION. BOILER IS REQIRED TO FIRE NAT GAS AT ALL TIMES EXCEPT IN EMERGENCY SITUATIONS. PAPER MACHINE LOCATED AT SEPERATE FACILITY. THE TWO PLANTS ARE CO NTIGUOUS BECAUSE OF DIRECT RAW MATERIALS EXCHANGE VIA CONNECTED COMPANY PROPERTY.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: CONTAINER CORP. OF AMERICA — BREWTON, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 502-0001-Z012
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/27/85
ESTIMATED DATE OF START-UP--
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, #2, WOODWASTE	351.00 MMBTU/H	PM	0.3000 GR/DSCF AT 50% EA	MULTICLONE W/WET SCRUBBER	BACT
		SO2	1.5000 % S FUEL	SHAVE-OFF	

NOTES ---------
RESTRICTED TO ONE TON PER HOUR OF COAL OR LESS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 1200.00 T/D SEE NOTE

COMPANY NAME/SITE LOCATION: GEORGIA-PACIFIC CORP. — PALATKA, FL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-FL-079
DETERMINATION MADE BY FLORIDA DER (AGENCY)
BRUCE MITCHELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/15/88
ESTIMATED DATE OF START-UP-- 1987
(904)-488-1344 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY, NO. 5	607500.00 LB/H STEAM *				
		VE	20.0000	% OPACITY	BACT
				ESP	
		PM	0.0440	GR/DSCF CORR TO 8% O2	NSPS
			75.4000	LB/H	
				ESP	99.00
		SO2	150.0000	PPMV DRY	NSPS
			244.0000	LB/H	
		TRS	5.0000	PPMV DRY CORR TO 8% O2	NSPS
			5.2000	LB/H	
		NOX		ZERO	
				PROPER EQUIPMENT OPERATION	
		CO		ZERO	
				PROPER EQUIPMENT OPERATION	
		VOC		ZERO	
				PROPER EQUIPMENT OPERATION	
SMELT TANK, NO. 5, 2 TOTAL	63000.00 LB/H SMELT				
		PM	0.2000	LB/T BLS, DRY WT.	NSPS
			15.0000	LB/H	
				2 WET SCRUBBERS	98.00
		TRS	0.0168	LB/T LIQUOR SOLIDS, DRY WT.	NSPS
			1.3000	LB/H	
KILN, LIME, NO. 5	63299.00 LB/H LIME M*				
		VE	20.0000	% OPACITY	BACT
				WET SCRUBBER	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/31/1986

(CONTINUED) GEORGIA-PACIFIC CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		PM	0.1300	GR/DSCF CORR TO 10% O2	NSPS
			29.3000	LB/H	
				WET SCRUBBER	99.70
		TRS	8.0000	PPMV DRY CORR TO 10% O2	NSPS
			1.1000	LB/H	
BOILER, COMBINATION, NO.5	700000.00 LB/H STEAM *	VE	20.0000	% OPACITY	BACT
				ESP	BACT
		PM	0.1000	LB/MMBTU, HI	
			108.0000	LB/H BARK	
				ESP	99.00
		SO2	0.6500	LB/MMBTU, HI	BACT
			704.0000	LB/H BARK	
				S ANALYSIS OF THE FO	BACT
		NOX	0.3000	LB/MMBTU, HI	
			325.0000	LB/H BARK	
				PROPER EQUIPMENT OPERATION	
		CO		ZERO	
				PROPER EQUIPMENT OPERATION	
		VOC		ZERO	
				PROPER EQUIPMENT OPERATION	

NOTES --------
AFTER CANVASSING MANY PULP MILLS IN FL., IT HAS FOUND THAT EXISTING RB'S ARE & HAVE BEEN ACHIEVING VE'S OF 20% OPACITY OR LESS
. A TRIP TO THE MILL REVEALED THAT OPACITIES IN THE 20% RANGE CAN BE EXPECTED EVEN W/O 1/2 OF AN ESP, USEPA REG. 4
, GEORGIA-PACIFIC ON 5/8/85. FOR THE #5 COMB. BOILER, THE PERMITTEE ACCEPTED NSPS LIM. OF 40 CFR 60, SUBPART D, & DEPT. DIDN'T
CLASSIFY PEAT AS A FOSSIL FUEL. NOTE - PROPOSED CAPACITY IS 2400. T/D UNBLEACHED PULP.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1986

SOURCE TYPE/SIZE KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION GEORGIA-PACIFIC CORP. PORT HUDSON, LA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. PSD-LA-341(M-1)
DETERMINATION MADE BY LOUISIANA AQD (AGENCY)
LARRY DEVILLIER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/06/87
ESTIMATED DATE OF START-UP--
(504)-342-9028 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, MOOD & NAT GAS FIRED	134.00 MMBTU/H	PM	0.2000 LB/MMBTU	MULTICLONES & SCRUBBER	BACT 95.00
		CO	0.7500 LB/MMBTU	AIR/FUEL RATIO CONTROL	BACT
		NOX	0.2500 LB/MMBTU	AIR/FUEL RATIO CONTROL	BACT
		VE	20.0000 % OPACITY		SIP

NOTES ---------
NATURAL GAS BURNER SUPPLIES 30% OF HEAT INPUT TO HELP CONTROL EMISSIONS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: GEORGIA-PACIFIC CORP. — PORT HUDSON, LA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. PSD-LA-544
DETERMINATION MADE BY LOUISIANA AQD (AGENCY) — LARRY DEVILLIER (AGENCY CONTACT PERSON) — (504)-342-9028 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/15/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, NAT GAS FIRED	987.00 MMBTU/H				
		NOX	0.1000 LB/MMBTU	LOW NOX BURNERS AIR/FUEL RATIO CONTROL	BACT
		CO	0.1200 LB/MMBTU	AIR/FUEL RATIO CONTROL	BACT

NOTES --------
UNIT IS PERMITTED TO BURN #2 FUEL OIL IF NAT GAS IS UNAVAILABLE UP TO 2% OF TOTAL ANNUAL FUEL USAGE.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: GEORGIA-PACIFIC CORP. WOODLAND, ME

DETERMINATION IS B/L
PERMIT NO. A-215-71-B-A/R
DETERMINATION MADE BY MAINE DEP (AGENCY)
JANE GILBERT (AGENCY CONTACT PERSON)
(207)-289-2437 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/12/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY	1450.00 T/D ADP	PM10	0.0210 GR/DSCF 45.0400 LB/H	ESP	LAER
		SO2	150.0000 PPMDV 373.0400 LB/H	COMBUSTION CONTROL	BACT
		NOX	80.0000 PPMDV 143.4000 LB/H	COMBUSTION CONTROL	BACT
		CO	215.0000 PPMDV 235.0000 LB/H	COMBUSTION CONTROL	BACT
		VOC	0.7000 LB/T ADP 41.1000 LB/H	COMBUSTION CONTROL	BACT
		TRS	5.0000 PPM, 12H AVG	COMBUSTION CONTROL	BACT
		VE	20.0000 % OPACITY, 6 MIN AVG		BACT

NOTES ---------
ADDITIONAL CONTACT PERSON IS MARC CONE. SUBPART DB APPLIES WHEN FIRING ONLY OIL MILL COMPLY THROUGH LOW SULFUR OIL. THIS WAS O
RIGINALLY PERMITTED IN 1986. MODIFIED LICENSE BEFORE STARTUP. EMISSIONS MAY BE LOWERED IN THE FUTURE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 3381.00 T/D ADP

COMPANY NAME/SITE LOCATION: GREAT SOUTHERN PAPER — CEDAR SPRINGS, GA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 2631-049-10296
DETERMINATION MADE BY GEORGIA EPD (AGENCY)

JAMES JOHNSTON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/08/89
ESTIMATED DATE OF START-UP-- 1991
(404)-656-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY, #1	63,56 T/H BLS				
		VE	20.0000 % OPACITY		BACT
		PM	46.0000 LB/H		BACT
			0.0300 GR/DSCF AT 8% O2	ESP	99.58
		SO2	535.0000 LB/H		BACT
			300.0000 PPM AT 8% O2	SEE NOTE#2	
		NOX	154.0000 LB/H		BACT
			0.2000 LB/MMBTU		
		CO	480.0000 LB/H		BACT
			11.0000 LB/T ADP	SEE NOTE#3	
		TRS	4.7400 LB/H		NSPS
			5.0000 PPM AT 8% O2		
BOILER, RECOVERY, #2	63.56 T/H BLS				
		VE	20.0000 % OPACITY		BACT
		PM	46.0000 LB/H		BACT
			0.0300 GR/DSCF AT 8% O2	ESP	99.58
		SO2	535.0000 LB/H		BACT
			300.0000 PPM AT 8% O2	SEE NOTE#2	
		NOX	154.0000 LB/H		BACT
			0.2000 LB/MMBTU		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		CO	480.0000 LB/H		BACT
			11.0000 LB/T ADP		
				SEE NOTE#3	
		TRS	4.7400 LB/H		NSPS
			5.0000 PPM AT 8% O2		
TANK, SMELT, #1	63.56 T/H BLS				
		PM	7.6000 LB/H		BACT
			0.1200 LB/T BLS		
				IMPACT SCRUBBERS	93.40
		SO2	5.5000 LB/H		BACT
			25.0000 PPM AT 8% O2		
				ALKALINE WEAK WASH IN SCRUBBER	
		TRS	2.1000 LB/H		NSPS
			0.0330 LB/T BLS		
TANK, SMELT, #2	63.56 T/H BLS				
		PM	7.6000 LB/H		BACT
			0.1200 LB/T BLS		
				IMPACT SCRUBBERS	93.40
		SO2	5.5000 LB/H		BACT
			25.0000 PPM AT 8% O2		
				ALKALINE WEAK WASH IN SCRUBBER	
		TRS	2.1000 LB/H		NSPS
			0.0330 LB/T BLS		

NOTES ---------
NOTE#1-CROSS MILL - 84% KRAFT, 16% NSSC. NOTE#2-SO2 LIMIT IS HIGHER THAN PREVIOUS BACT DETERMINATIONS DUE TO HIGH SULFIDITY & LOW BLACK LIQUOR BTU CONTENT ASSOCIATED WITH CROSS RECOVERY FURNACES.
NOTE#3-AIR DRIED PULP MEASURED AT 10% MOISTURE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

SOURCE TYPE/SIZE KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION HAMMERMILL PAPER SELMA, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 104-0003-X018
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/02/85
ESTIMATED DATE OF START-UP-- 1987
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COMBINATION FUEL	667.00 MMBTU/H	PM	0.1000 LB/MMBTU	ESP & MULTICLONES	NSPS 99.50
		SO2	0.8000 LB/MMBTU	BLENDED FUELS/LOW S FUEL	PSD
		NOX	0.3000 LB/MMBTU	DESIGN & OPERATION	NSPS
		CO	0.5000 LB/MMBTU	DESIGN & OPERATION	NCAS

NOTES --------
SOURCE MUST FIRE NATURAL GAS & FUEL OIL. OPACITY MUST BE LESS THAN 10% ANNUALLY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION HAMMERHILL PAPER SELMA, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.. 104-0003-X019
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/02/85
ESTIMATED DATE OF START-UP-- 1986
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN, LIME, #3	380.00 T/D				
		PM	0.1300	GR/DSCF AT 10% O2,FUEL OIL	NSPS
			0.0670	GR/DSCF AT 10% O2,NAT GAS	
				FIXED THROAT VENTURI	98.70
		TRS	8.0000	PPM AT 10% O2	NSPS
				DESIGN	
		SO2	8.5000	LB/H	
		NOX	37.3000	LB/H	
		CO	3.4000	LB/H	

NOTES --------
LOW PRESSURE DROP VENTURI DESIGN.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION INTERNATIONAL PAPER CO. MOBILE, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 503-2005-Z014
DETERMINATION MADE BY ALABAMA DEM (AGENCY)
SUE ROBERTSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/16/85
ESTIMATED DATE OF START-UP-- 1986
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COMBINATION FUEL	778.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				MULTICLONES & ESP	99.50
		SO2	0.8000 LB/MMBTU, OIL & WOOD		NSPS
			1.2000 LB/MMBTU, COAL & WOOD		
		NOX	0.7000 LB/MMBTU		NSPS
		CO	0.6000 LB/MMBTU		
		BE	0.0025 LB/H		
		F	4.8000 LB/H		
		H2S*	32.6000 LB/H		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION JAMES RIVER CORP. OLD TOWN, ME

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO.
DETERMINATION MADE BY MAINE DEP (AGENCY)
JANE GILBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/01/89
ESTIMATED DATE OF START-UP-- 1989
(207)-289-2437 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SCRUBBER, SMELT TANK		PM10	0.1200 LB/T BLS	PUCON FAN/PACKED BED SCRUBBER	BACT
		SO2	0.0530 LB/T BLS	PUCON FAN/PACKED BED SCRUBBER	BACT
		TRS	0.0168 LB/T BLS	PUCON FAN/PACKED BED SCRUBBER	BACT

NOTES --------
ADDITIONAL CONTACT PERSON IS MARC CONE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 700000.00 ADUT/YR

COMPANY NAME/SITE LOCATION: JAMES RIVER CORP. — CAMAS, WA

DETERMINATION IS
PERMIT NO. PSD-88-3 & DE-88-360
DETERMINATION MADE BY WASHINGTON DOE (AGENCY)

ALAN BUTLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/14/89
ESTIMATED DATE OF START-UP-- 1990
(206)-867-7103 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FURNACE, RECOVERY, #3	523.00 MMBTU/H	PM10	0.0330 GR/DSCF AT 8% O2		BACT
			328.0000 T/YR		
				ESP W/HEAT RECOVERY SCRUBBER	99.50
		VE	20.0000 % OPACITY		BACT
		SO2	10.0000 PPM AT 8% O2		BACT
			46.2000 T/YR		
				HEAT RECOVERY SCRUBBER	98.00
		NOX	1.8000 LB/ADUT		BACT
			496.0000 T/YR		
				DESIGN & OPERATION	
		CO	2755.0000 T/YR		BACT
				DESIGN & OPERATION	
		VOC	219.0000 T/YR		LAER
				DESIGN & OPERATION	
		TRS	5.0000 PPMDV AT 8% O2, 12H AVG		BACT
			2.0000 PPMDV AT 8%O2, ANN AVG		
				CAUSTIC LIQUOR SCRUBBER	
				DESIGN & OPERATION	
FURNACE, RECOVERY, #4	770.00 MMBTU/H	PM10	0.0330 GR/DSCF AT 8% O2		BACT
			328.0000 T/YR		
				ESP W/HEAT RECOVERY SCRUBBER	99.50
		VE	20.0000 % OPACITY		BACT
		SO2	10.0000 PPM AT 8% O2		BACT
			46.2000 T/YR		
				HEAT RECOVERY SCRUBBER	98.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		NOX	1.8000	LB/ADUT	BACT
			496.0000	T/YR	
				DESIGN & OPERATION	
		CO	2755.0000	T/YR	BACT
				DESIGN & OPERATION	
		VOC	219.0000	T/YR	LAER
				DESIGN & OPERATION	
		TRS	5.0000	PPMDV AT 8% O2, 12H AVG	BACT
			2.0000	PPMDV AT 8%O2, ANN AVG	
				CAUSTIC LIQUOR SCRUBBER	
				DESIGN & OPERATION	
DISSOLVER VENT, SMELT, #3		PM10	0.1200	LB/T BLS, MONTHLY AVG	BACT
			0.1050	LB/T BLS, ANN AVG	
				PACKED BED SCRUBBER	
		VE	35.0000	% OPACITY	BACT
		SO2	24.0000	PPMDV	BACT
			28.0000	T/YR	
				PACKED BED SCRUBBER	
		TRS	0.0168	LB/T BLS, DAILY AVG	BACT
			0.0130	LB/T BLS, ANN AVG	
				PACKED BED SCRUBBER	
DISSOLVER VENT, SMELT, #4		PM10	0.1200	LB/T BLS, MONTHLY AVG	BACT
			0.1050	LB/T BLS, ANN AVG	
				PACKED BED SCRUBBER	
		VE	35.0000	% OPACITY	BACT
		SO2	24.0000	PPMDV	BACT
			28.0000	T/YR	
				PACKED BED SCRUBBER	
		TRS	0.0168	LB/T BLS, DAILY AVG	BACT
			0.0130	LB/T BLS, ANN AVG	
				PACKED BED SCRUBBER	
KILN, LIME & EVAPORATOR, BLDH-H*		PM10	0.0650	GR/DSCF AT 10%O2, GAS	BACT
			0.1300	GR/DSCF AT 10% O2, OIL	
				VENTURI SCRUBBER	
		SO2	41.0000	PPH	BACT
			36.1000	T/YR	
				VENTURI SCRUBBER	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		TRS	8.0000	PPMDV AT 8%O2, 12H AVG	BACT
			4.0000	PPMDV AT 8% O2, ANN AVG	
				PROCESS DESIGN & CONTROLS	
		NOX	234.0000	T/YR	BACT
		CO	1798.0000	T/YR	BACT
		VOC	45.0000	T/YR	LAER
BOILER, MAGNEFITE	400.00 MMBTU/H	PM10	0.0750	GR/DSCF, HOURLY AVG	BACT
			0.0530	GR/DSCF, 12 MO ROLL AVG	
				MULTICLONE/SCRUBBER	
		SO2	10.0000	PPM, 24H AVG	BACT
			13.9000	T/YR	
				VENTURI SCRUBBER/CAUSTIC SCRUBBER	
		NOX	462.0000	T/YR	BACT
		CO	880.0000	T/YR	BACT
		VOC	144.0000	T/YR	LAER
BOILER, POWER, #3	345.00 MMBTU/H	PM10	0.0100	GR/DSCF AT 7% O2	BACT
			36.0000	T/YR	
				ESP	96.00
		VE	20.0000	% OPACITY	BACT
		SO2	16.2000	T/YR	BACT
		NOX	0.2500	LB/MMBTU, 30D ROLL AVG	BACT
			433.0000	T/YR	
				DESIGN & OPERATION	
		CO	0.6000	LB/MMBTU	BACT
			1040.0000	T/YR	
		VOC	0.0700	LB/MMBTU	LAER
			121.0000	T/YR	

NOTES --------
NOTE 1-EMISSION CONC. ARE THE SAME FOR UNITS #3 & 4. EMISSION RATES ARE COMBINED FOR BOTH UNITS. NOTE 2-CAMAS IS IN A NON-ATTA INMENT AREA. NOTE 3-KILN/BLOW HEAT EVAP. WAS REBUILT. NOT PSD APPLICABLE & IS PERMITTED UNDER STATE DE-88-360.
NOTE 4 - BASED ON RELATIVE USE OF NAT GAS TO OIL. NOTE 5 - PRELIMINARY ASSUMPTION IS 75% OF TOTAL PM IS PM10.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 830.00 T/D ADP

COMPANY NAME/SITE LOCATION: LOUISIANA PACIFIC CORP. — SAHOA, CA

DETERMINATION IS BACT FUR A NEW SOURCE.
PERMIT NO. HAC-216
DETERMINATION MADE BY NORTH COAST UNIFIED AQMD (AGENCY)
CHUCK SASSENRATH (AGENCY CONTACT PERSON)
(707)-443-3093 (PHONE)

DATE OF PERMIT ISSUANCE-- 02/22/89
ESTIMATED DATE OF START-UP-- 1991

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY	830.00 T/D ADP				
		PM	0.0250 GR/DSCF	ESP	BACT 99.70
		TRS	5.0000 PPM	LOW ODOR DESIGN	BACT
		SO2	50.0000 PPM	HIGH SOLIDS FIRING	BACT
		NOX	0.1000 LB/MMBTU	BOILER DESIGN	BACT
		CO	250.0000 PPM	BOILER DESIGN	BACT
		VOC	40.0000 PPM	BOILER DESIGN	BACT
TANK, SMELT DISSOLVING	830.00 T/D ADP				
		PM	0.2000 LB/T BLS	WET SCRUBBER	NSPS
		TRS	0.0168 LB/T BLS	WET SCRUBBER	BACT

NOTES --------
ALL EMISSION LIMITS SPECIFIED AT 8% O2 & 3 MMLB/D BLS. FIRING RATE AT 70% DBLS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/17/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: MEAD COATED BOARD — COTTONTON, AL 36868 — RUSSELL COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 211-0004
DETERMINATION MADE BY ALABAMA DEM (AGENCY) — KEN BARRETT (AGENCY CONTACT PERSON) — (205)-271-7861 (PHONE)

DATE OF PERMIT ISSUANCE-- 10/01/88
ESTIMATED DATE OF START-UP -- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY, #2	1500.00 ADTP/D				
		PM	0.0440	GR/DSCF AT 8% O2	BACT
			106.0000	LB/H	
				ESP & INCINERATION	99.30
		SO2	144.0000	PPMV AT 8% O2	BACT
			404.0000	LB/H	
		H2S*	20.0000	LB/H	BACT
		CO	879.0000	PPMV AT 8% O2	BACT
		NOX	112.0000	PPMV AT 8% O2	BACT
		VOC	0.0300	LB/MMBTU	BACT
		VE	35.0000	% OPACITY	NSPS
		TRS	5.0000	PPMV AT 8% O2	BACT
TANK, SMELT, NO. 2	93.80 T/H BLS				
		PM	0.2000	LB/T BLS	BACT
			18.8000	LB/H	
				WET SCRUBBER	95.70
		SO2	12.0000	PPMV	BACT
			6.3000	LB/H	
		TRS	0.0330	LB/T BLS	BACT
KILN, LIME, NO.2	1200.00 ADTP/D				
		PM	0.0350	GR/SDCF AT 10% O2	
			7.9000	LB/H NAT GAS	
		PM	0.0700	GR/SDCF AT 10% O2	BACT
			15.9000	LB/H FUEL OIL	
				ESP	99.40

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

(CONTINUED) MEAD COATED BOARD

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		SO2	44.0000 PPMV AT 10% O2		BACT
			12.0000 LB/H		
		H2S*	1.4000 PPMV AT 10% O2		BACT
		CO	52.0000 PPMV AT 10% O2		BACT
		VE	20.0000 % OPACITY		
		NOX	336.0000 PPMV AT 10% O2		BACT
		VOC	78.0000 PPMV AT 10% O2		BACT
		TRS	8.0000 PPMV AT 10% O2		BACT
BOILER, WOOD WASTE, #3	915.00 MMBTU/H	PM	0.1000 LB/MMBTU		BACT
			91.5000 LB/H		
				MULTICYCLONE & VENTURI WET SCRUBBER	91.50
		SO2	0.0096 LB/MMBTU		BACT
			8.8000 LB/H		
		H2S*	4.8000 EE-4 LB/MMBTU		
		CO	0.4000 LB/MMBTU		
		NOX	0.3000 LB/MMBTU		
		VOC	0.0300 LB/MMBTU		
DIGESTER/EVAPORATORS/BROWN STOC*		TRS			BACT
				INCINERATION	
SLAKER, LIME, #2		PM	1.0000 LB/H		BACT
				VENTURI WET SCRUBBER	
TANK, STORAGE, FUEL OIL	50000.00 GAL	VOC			NSPS

NOTES ---------
WHEN FUEL OIL FIRED IN RECOVERY,NSPS SUBPART DB APPLIES

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: NEKOOSA PAPER CO. ASHDOWN, AR

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 278-AR-3
DETERMINATION MADE BY ARKANSAS DPCE (AGENCY)
MIKE PORTA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/01/85
ESTIMATED DATE OF START-UP--
(501)-562-7444 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY	4.40 MMLB/D BLS				
		PM	0.0440 GR/DSCF		BACT
				ESP	
		SO2	250.0000 PPM		BACT
		TRS	5.0000 PPM		NSPS
		VE	20.0000 % OPACITY		BACT
SMELT TANK	57000.00 LB/H SALT				
		PM	0.2000 LB/T BLS		BACT
				SCRUBBER	
		TRS	0.0084 G/KG		NSPS
		VE	20.0000 % OPACITY		BACT
BOILER, COAL FIRED	820.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		
				SCRUBBER	
		SO2	1.2000 LB/MMBTU		
				SCRUBBER	
		NOX	0.7000 LB/MMBTU		
		VE	20.0000 % OPACITY		
BOILER, DUAL FUEL	160.00 MMBTU/H				
		PM	N/A		
				NATURAL GAS	
		SO2	N/A		
				NATURAL GAS	
		NOX	N/A		
				NATURAL GAS	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				
		VE	20.0000 % OPACITY	
BOILER, DUAL FUEL	210.00 MMBTU/H			
		PM	N/A NATURAL GAS	
		SO2	N/A NATURAL GAS	
		NOX	N/A NATURAL GAS	
		VE	20.0000 % OPACITY	

NOTES --------
THIS PERMIT INCREASED THE ALLOWABLE PRODUCTION RATE OF REC. BOILER FROM 3.5 MMLB/D BLS TO 4.4 MMLB/D BLS. SMELT TANK FROM 4560 0 LB/H TO 57300 LB/H OF SALT CAKE. BOILER FROM 500000 TO 575000 LB/H STEAM, NO PHYSICAL MODIFICATIONS MERE MADE TO THIS BOILER. DUAL FUEL BOILERS WILL BURN NATURAL GAS BUT HAVE THE CAPACITY TO BURN #6 FUEL OIL DURING PERIODS OF NATURAL GAS CURTAILMENT & ARE NOT A PRIMARY SOURCE OF STEAM.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 600.00 T/D ADP

COMPANY NAME/SITE LOCATION: NEKOOSA PAPERS, INC. MARKET STREET — NEKOOSA, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 88-DLJ-082
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
DANIEL JOHNSTON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/14/89
ESTIMATED DATE OF START-UP-- 1990
(608)-267-9500 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY	600.00 T/D ADP				
		PM1*	0.0300 GR/DSCF AT 8% O2	DRY BOTTOM ESP	BACT
		TRS	5.0000 PPMDV AT 8% O2		BACT
		SO2	170.0000 PPMDV AT 8% O2		BACT
		NOX	95.0000 PPMDV AT 8%O2		BACT
		CO	800.0000 PPMDV AT 8% O2		BACT
		VOC	200.0000 PPMDV AT 8% O2		BACT
		VE	20.0000 % OPACITY		BACT
SMELT DISSOLVING TANK	37000.00 LB/H SMELT				
		PM1*	0.1300 LB/T BLS DRY	WET VENTURI SCRUBBER	BACT
		TRS	0.0168 LB/T BLS DRY	WET VENTURI SCRUBBER	BACT
		SO2	24.0000 PPMDV	WET VENTURI SCRUBBER	BACT
		VE	20.0000 % OPACITY		BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/01/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: NEKOOSA PAPERS, INC. ASHDOWN, AR

DETERMINATION IS
PERMIT NO. 946-A
DETERMINATION MADE BY ARKANSAS DPCE (AGENCY)

DAVID MORROW (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/14/89
ESTIMATED DATE OF START-UP--
(501)-562-7444 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION ... & BASIS ... PCT EFF
KILN, LIME, #3	440.00 T/D LIME			
		PM	0.0340	GR/DSCF, NAT GAS
			0.0670	GR/DSCF, #2 OIL
				ESP
		SO2	13.3000	LB/H
				LOW S FUEL
		NOX	66.5000	LB/H
				BURNER DESIGN & O2 CONTROL
		CO	55.0000	LB/H
				PROPER KILN OPERATION
		TRS	8.0000	PPMV, DRY BASIS, CORR TO 10% O2
				PROPER KILN OPERATION
BOILER, POWER, #3	790.00 MMBTU/H			
		PM	0.0250	LB/MMBTU
				ESP
		SO2	0.1000	LB/MMBTU
				LOW S FUEL
		NOX	0.3000	LB/MMBTU
				LOW NOX BURNER/LOW EXCESS AIR
		CO	0.3500	LB/MMBTU
				COMBUSTION CONTROL/BOILER OPER
		VOC	0.0270	LB/MMBTU, SEE NOTE
				BOILER CONTROL

NOTES --------
BOILER PM LIMIT IS 0.25 OF THE NSPS STD FOR PARTICULATE. TSP & PM10 ARE BOTH COVERED BY THIS LIMIT. SO2 LIMIT BASED ON TESTING OF THE FUEL USED AT THIS FACILITY. NOX LIMIT BASED ON NSPS STD. CO - COMBUSTION CONTROL & BOILER OPERATION. NON-METHANE VOC - BOILER CONTROL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: S.D. WARREN CO. WESTBROOK, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. A-29-71-C-A/R
DETERMINATION MADE BY MAINE DEP (AGENCY)
MARC CONE (AGENCY CONTACT PERSON)
(207)-289-2437 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/23/88
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY	375.00 MMBTU/H	PM10	0.0210 GR/DSCF 19.3200 LB/H	ESP	BACT
		SO2	150.0000 PPMDV 157.7000 LB/H	DB OIL & COMBUSTION CONTROL	BACT
		NOX	97.0000 PPMDV 50.8300 LB/H	COMBUSTION CONTROL	BACT
		CO	169.0000 PPMDV 83.3300 LB/H	COMBUSTION CONTROL	BACT
		TRS	5.0000 PPM, 12H AVG	COMBUSTION CONTROL	BACT
		VE	20.0000 % OPACITY, 6 MIN AVG		BACT

NOTES --------
ADDITIONAL CONTACT PERSON IS JANE GILBERT. SUBPART DB APPLIES WHEN THE BOILER IS FIRING ONLY OIL

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: S.D. WARREN CO. SOMERSET OPERATIONS — SKOWHEGAN, ME

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. A-19-71-F-A
DETERMINATION MADE BY MAINE DEP (AGENCY)
JANE LONGFELLOW (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/23/89
ESTIMATED DATE OF START-UP-- 1990
(207)-289-2437 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, POWER	900.00 MMBTU/H				
		PM10	0.0300 LB/MMBTU		BACT
			26.9000 LB/H		
				ESP	
		SO2	0.2700 LB/MMBTU		BACT
			243.0000 LB/H		
				SPRAY TOWER SCRUBBER	90.00
		NOX	0.1500 LB/MMBTU		BACT
			135.0000 LB/H		
				S.N.R.	
		CO	0.4000 LB/MMBTU		BACT
			360.0000 LB/H		
				COMBUSTION CONTROLS	
		VOC	0.0100 LB/MMBTU		BACT
			8.9000 LB/H		
				COMBUSTION CONTROLS	

NOTES --------
FUEL CONSISTS OF BARK,BIOMASS, DEWATERED MILL SLUDGE, & #6 FUEL OIL. SO2 REMOVAL EFFICIENCY OF 90% ON A 30 DAY ROLLING AVERAGE IS REQUIRED. CEM'S ARE REQUIRED TO MONITOR NOX, SO2, & O2.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 3420.00 T/D ADP

COMPANY NAME/SITE LOCATION: UNION CAMP — SAVANNAH, GA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 2631-025-10076
DETERMINATION MADE BY GEORGIA EPD (AGENCY)
JAMES JOHNSTON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/18/89
ESTIMATED DATE OF START-UP-- 1991
(404)-656-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATION	1048.00 T/H TRS	SO2	3306.0000 LB/H, SEE NOTE		BACT

NOTES --------
NOTE#1-1266 LB/H SO2 FROM 1055 MMBTU/H NSPS POWER BOILER AT 1.2 LB/MMBTU PLUS 2040 LB/H SO2 FROM TRS COMBUSTION. LIMIT IS 3306 LB/H FOR ANY CONTINUOUS 24H PERIOD & NO MORE THAN 5015 LB/H FOR ANY CONTINUOUS 3H PERIOD.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1990

SOURCE TYPE/SIZE: KRAFT PULP MILLS — 2285.00 T/D ADP

COMPANY NAME/SITE LOCATION: UNION CAMP , SC

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 1900-0046
DETERMINATION MADE BY SOUTH CAROLINA DHEC, BAQC (AGENCY)
BOYD BEDENBAUGH (AGENCY CONTACT PERSON)
(803)-734-4533 (PHONE)

DATE OF PERMIT ISSUANCE-- 05/01/89
ESTIMATED DATE OF START-UP-- 1991

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY, #2	1463.00 T/D ADP				
		PM	0.0300	DR/DSCF AT 8% O2 ESP	BACT
		TRS	5.0000	PPM AT 8% O2 LOW ODOR DESIGN BOILER	NSPS
		NOX	150.0000	PPM, DRY BASIS AT 8% O2 BOILER DESIGN & OPERATION	LAER
		SO2	200.0000	PPM, DRY BASIS AT 8% O2 BOILER DESIGN & OPERATION	LAER
		CO	8.0000	LB/T ADP BOILER DESIGN & OPER	BACT
		VE	35.0000	% OPACITY	NSPS
TANK, SMELT DISSOLVING, #2	1463.00 T/D ADP				
		PM	0.2000	LB/T BLS WET SCRUBBER	NSPS
		TRS	0.0168	LB/T BLS NON-SULFIDE SCRUBBING LIQUID	LAER
		SO2	0.1000	LB/T ADP NON-SULFIDE SCRUBBING LIQUID	BACT
		VE	20.0000	% OPACITY	SIP
KILN, LIME, #2	265.00 T/D CAO				
		PM	0.1000	GR/DSCF AT 10% O2 ESP	BACT
		TRS	8.0000	PPM AT 10% O2 PROCESS CONTROLS	NSPS

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

(CONTINUED) UNION CAMP

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		NOX	0.8500 LB/MMBTU	KILN DESIGN & OPERATION	BACT
		SO2	0.2000 LB/T ADP	CHEMICAL REACTION WITH LIME	BACT
		CO	0.1000 LB/T ADP	KILN DESIGN & OPERATION	BACT
		VOC	1.6000 LB/T CAO	KILN DESIGN & OPERATION	NSPS
		VE	20.0000 % OPACITY		BACT
BOILER, WOODWASTE/BARK/OIL/COAL*	500.00 MMBTU/H	PM	0.0600 LB/MMBTU	MULTICLONE/ESP	NSPS
		SO2	1.2000 LB/MMBTU, COAL 0.3000 LB/MMBTU, OIL	BOILER DESIGN & OPERATION	BACT
		NOX	0.5000 LB/MMBTU, COAL 0.3000 LB/MMBTU, OIL	BOILER DESIGN & OPERATION	BACT
		CO	1.0000 LB/MMBTU	BOILER DESIGN & OPERATION	BACT
		VOC	0.2000 LB/MMBTU	BOILER DESIGN & OPERATION	NSPS
		VE	20.0000 % OPACITY		SIP
SLAKER, GREEN LIQUOR, #2	770.00 GAL/MIN	PM	2.0000 LB/H	WET SCRUBBER	SIP
		VE	20.0000 % OPACITY		BACT
PLANT, BLEACH, #2	1463.00 T/D ADP	CHL*	3.4000 LB/H	WET SCRUBBER	BACT
		CHL*	25.0000 LB/H	WET SCRUBBER	SIP
		VE	20.0000 % OPACITY		BACT
STRIPPING SYSTEM #2, CONDENSATE	1463.00 T/D ADP	TRS		VENTED TO INCINERATOR #2/BOILER #2	BACT
EVAPORATOR SET #2	1463.00 T/D ADP	TRS		VENTED TO INCINERATOR #2/BOILER #2	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

(CONTINUED) UNION CAMP

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DIGESTER SYSTEM #2	1463.00 T/D ADP	TRS			NSPS
				INCINERATION	
WASHING SYSTEM #2, BROWN STOCK	1463.00 T/D ADP	TRS			NSPS
				INCINERATION	
FURNACE, RECOVERY #1	822.00 T/D ADP	PM	0.0360	GR/DSCF AT 8% O2	BACT
				ESP	
		TRS	8.0000	PPM AT 8% O2	NSPS
				LOW ODOR DESIGN BOILER	
		NOX	200.0000	PPM AT 8% O2	BACT
				BOILER DESIGN & OPERATION	
		SO2	200.0000	PPM AT 8% O2	BACT
				BOILER DESIGN & OPERATION	
		CO	8.0000	LB/T ADP	BACT
				BOILER DESIGN & OPERATION	
		VE	35.0000	% OPACITY	NSPS
TANK, SMELT DISSOLVING, #1	822.00 T/D ADP	PM	0.2000	LB/T BLS	NSPS
				WET SCRUBBER	
		TRS	0.0168	LB/T BLS	LAER
				NON-SULFIDE SCRUBBING LIQUID	
		SO2	0.1000	LB/T ADP	BACT
				NON-SULFIDE SCRUBBING LIQUID	
		VE	20.0000	% OPACITY	SIP
				NON-SULFIDE SCRUBBING LIQUID	
PLANT, CHLORINE DIOXIDE, #1	52.00 T/D	CHL*	2.0000	LB/H	BACT
				WET SCRUBBER	
		VE	20.0000	% OPACITY	SIP

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: HAUSAU PAPER MILLS CO. 2ND STREET — BROKAW, MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 88-POY-106
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
PAUL YEUNG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/29/89
ESTIMATED DATE OF START-UP--
(608)-266-0672 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ..., PCT EFF
BOILER, #6 OIL/NAT GAS FIRED, 2*	50.00 MMBTU/H	SO2	SEE NOTES	LOW S FUEL - 0.8% S OIL	BACT
		PM	0.1500 LB/MMBTU		SIP
		NOX	37.8400 LB/H		UNRC
		CO	3.4400 LB/H		UNRC
		VE	20.0000 % OPACITY		SIP

NOTES ---------
0.8% SULFUR BY WEIGHT #6 OIL MAY BE USED ONLY WHEN NATURAL GAS SUPPLY IS INTERRUPTED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION MEYERHAEUSER CO. COLUMBUS, MS

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 1680-00044
DETERMINATION MADE BY MISSISSIPPI DEQ, BPC (AGENCY)
JAY BARLEY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/24/89
ESTIMATED DATE OF START-UP--
(601)-961-5171 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY	5.00 MMLB/D BLS				
		PM	0.0300	GR/DSCF AT 8% O2	BACT
			87.3000	LB/H	
				ESP	
		PM10	0.0300	GR/DSCF AT 8% O2	BACT
			87.3000	LB/H	
				ESP	
		SO2	200.0000	PPMVD AT 4% O2	BACT
			517.3000	LB/H	
				PROCESS CONTROLS	
		NOX	70.0000	PPMVD AT 4% O2	BACT
			180.3000	LB/H	
				PROCESS CONTROLS	
		CO	2.2000	LB/METRIC T OF BLS	BACT
			110.0000	LB/H	
				PROCESS CONTROLS	
		VOC	0.6000	LB/SHORT T OF BLS	BACT
			62.5000	LB/H	
				MAX COMBUSTION EFF	
		TRS	5.0000	PPMVD AT 8% O2	BACT
			9.0000	LB/H	
				SEE NOTE 1	
		BA	0.0009	LB/H	SIP
				ESP	
		CD	0.0036	LB/H	SIP
				ESP	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		CRVI	2.6000 E-4 LB/H	ESP	SIP
		CU	2.6000 E-4 LB/H	ESP	SIP
		PB	0.0015 LB/H	ESP	SIP
		MN	0.0029 LB/H	ESP	SIP
		NI	0.0013 LB/H	ESP	SIP
		ZN	0.0072 LB/H	ESP	SIP
		VE	35.0000 % OPACITY, MAX	ESP	BACT
TANK, SMELT DISSOLVING	5.00 MMLB/D BLS	PM	0.1200 LB/SHORT T BLS 12.5000 LB/H	WET SCRUBBER	BACT
		PM10	0.1200 LB/SHORT T BLS 12.5000 LB/H	WET SCRUBBER	BACT
		SO2	100.0000 PPMVD 20.0000 LB/H	WET SCRUBBER	BACT
		TRS	0.0330 LB/SHORT T BLS 3.4000 LB/H	WET SCRUBBER H/LOW SULFIDE LIQ	BACT
KILN, LIME	21.00 T/H	PM	0.1300 GR/DSCF AT 10% O2, OIL FIRING 0.0670 GR/DSCF AT 10% O2, GAS FIRING	ESP	BACT
		PM10	0.1300 GR/DSCF AT 10% O2, OIL FIRING 0.0670 GR/DSCF AT 10% O2, GAS FIRING	ESP	BACT
		SO2	100.0000 PPMVD AT 3.6% O2 56.5000 LB/H	PROCESS CONTROLS	BACT
		NOX	300.0000 PPMVD AT 3.6% O2 60.9000 LB/H	PROCESS CONTROLS	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

ID NUMBER MS-0015

SOURCE TYPE CODE 10.1

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS PCT EFF
SAME PROCESS (CONTINUED)		CO	11.0000 LB/METRIC T ADP 550.0000 LB/H	PROCESS CONTROLS	SIP
		VOC	1.0000 LB/T CAO 21.0000 LB/H	MAX COMBUSTION EFF	BACT
		TRS	8.0000 PPMVD AT 10% O2 1.9000 LB/H	INCINERATION	BACT
		VE	35.0000 % OPACITY, MAX	ESP	BACT
BOILER, POWER	1400.00 MMBTU/H	PM	0.0600 LB/MMBTU 84.0000 LB/H	ELECTROSCRUB, SEE NOTE	99.00 BACT
		PM10	0.0600 LB/MMBTU 84.0000 LB/H	ELECTROSCRUB, SEE NOTE	99.00 BACT
		SO2	0.6000 LB/MMBTU 840.0000 LB/H	COMBUSTION CONTROL, SEE NOTE 2	BACT
		NOX	0.5000 LB/MMBTU 700.0000 LB/H	STAGED COMBUSTION	BACT
		CO	0.8000 LB/MMBTU 1125.0000 LB/H	STAGED COMBUSTION	BACT
		VOC	0.1000 LB/MMBTU 140.0000 LB/H	MAX COMBUSTION EFF	BACT
		TRS	0.0036 LB/MMBTU 5.0000 LB/H	INCINERATION	SIP
		AS	0.0470 LB/H	ELECTROSCRUB	SIP
		BA	0.0200 LB/H	ELECTROSCRUB	SIP
		BE	0.0330 LB/H	ELECTROSCRUB	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		CD	0.0500 LB/H	ELECTROSCRUB	SIP
		CRVI	0.0110 LB/H	ELECTROSCRUB	SIP
		CU	0.4100 LB/H	ELECTROSCRUB	SIP
		F	1.6400 LB/H	ELECTROSCRUB	SIP
		PB	0.5100 LB/H	ELECTROSCRUB	SIP
		MN	0.2200 LB/H	ELECTROSCRUB	SIP
		HG	0.0026 LB/H	ELECTROSCRUB	SIP
		NI	0.1900 LB/H	ELECTROSCRUB	SIP
		ZN	0.1000 LB/H	ELECTROSCRUB	SIP
		VE		SEE NOTE 3	BACT

NOTES --------
BLS=BLACK LIQUOR SOLIDS. NOTE 1-USING A NON-CONTACT EVAPORATOR/LOW ODOR RECOVERY BOILER & BLS COMBUSTION OPTIMIZATION METHODS.
TRS=TOTAL REDUCED SULFUR=SUM OF H2S, METHYL MERCAPTAN, DIMETHYL SULFIDE, & DIMETHYL DISULFIDE. ADP=AIR DRIED PULD.
NOTE 2-EXCEPT COAL & OIL MUST MEET NSPS - 1.2 LB/MMBTU, COAL & 0.5 LB/MMBTU, OIL. ELECTROSCRUB = ELECTROSTATIC GRANULAR FILTER
, EGF. NOTE 3- 20% OPACITY MAX, 6 MIN AVG EXCEPT FOR ONE 6 MIN PERIOD/HOUR OF NOT MORE THAN 27% OPACITY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: MILLAMETTE INDUSTRIES — BENNETTSVILLE, SC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 1680-0043
DETERMINATION MADE BY SOUTH CAROLINA DHEC (AGENCY)

BOYD BEDENBAUGH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 09/29/88
ESTIMATED DATE OF START-UP-- 1990
(803)-734-4533 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RECOVERY, #1	840.00 T/D ADP				
		PM	0.0300	GR/DSCF AT 8% O2	BACT
				ESP	99.60
		TRS	5.0000	PPM AT 8% O2	NSPS
				LOW ODOR DESIGN BOILER	
		NOX	150.0000	PPM, DRY BASIS	BACT
				BOILER DESIGN & OPERATION	
		SO2	200.0000	PPM, DRY BASIS	BACT
				LOW ODOR DESIGN BOILER	
		CO	2.0000	LB/T ADP	BACT
				BOILER DESIGN & OPER.	
		VOC	2.0000	LB/T ADP	BACT
				BOILER DESIGN & OPERATION	
		VE	35.0000	% OPACITY	NSPS
DISSOLVING TANK #1, SMELT	840.00 T/D ADP				
		PM	0.1990	LB/T BLS	BACT
				WET SCRUBBER	96.00
		TRS	0.0300	LB/T BLS	BACT
				NON-SULFIDE SCRUBBING LIQUID	
		SO2	0.0500	LB/T BLS	BACT
				NON-SULFIDE SCRUBBING LIQUID	
		VOC	0.1600	LB/T BLS	BACT
				NON-SULFIDE SCRUBBING LIQUID	
		VE	20.0000	% OPACITY	SIP
KILN #1, LIME	220.00 T/D CAO				

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		PM	0.0540 GR/DSCF AT 10% O2	ESP	BACT 99.30
		TRS	8.0000 PPM AT 10% O2	PROCESS CONTROLS	NSPS
		NOX	35.0000 LB/H	KILN DESIGN & OPERATION	BACT
		SO2	10.5000 LB/H	CHEMICAL REACTION W/LIME	BACT
		CO	3.5000 LB/H	KILN DESIGN & OPERATION	BACT
		VOC	8.8000 LB/H	KILN DESIGN & OPERATION	BACT
		VE	20.0000 % OPACITY		SIP
BOILER	470.00 MMBTU/H	PM	0.0500 LB/MMBTU	MULTICLONES & VENTURI SCRUBBER	LAER 92.50
		NOX	0.3000 LB/MMBTU	BOILER DESIGN & OPERATION	LAER
		CO	0.3000 LB/MMBTU	BOILER DESIGN & OPERATION	LAER
		VOC	0.1000 LB/MMBTU	BOILER DESIGN & OPERATION	LAER
		VE	20.0000 % OPACITY		SIP
BOILER, GAS FIRED	305.00 MMBTU/H	NOX	0.1200 LB/MMBTU	BOILER DESIGN & OPERATION	LAER
		CO	12.0000 LB/H	BOILER DESIGN & OPERATION	BACT
		VE	20.0000 % OPACITY		SIP
SLAKER #1, GREEN LIQUOR	9.50 T/H	PM	2.0000 LB/H	LOW ENERGY SCRUBBER	BACT
		VE	20.0000 % OPACITY		SIP
WASHER, BROWN STOCK	840.00 T/D ADP	TRS		VENTED TO LIME KILN FOR INCINERATION	BACT
EVAPORATOR, MULTIPLE EFFECT	840.00 T/D ADP	TRS		VENTED TO LIME KILN FOR INCINERATION	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

(CONTINUED) WILLAMETTE INDUSTRIES

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TANK, ACCUMULATOR	840.00 T/D ADP				
		TRS			BACT
				VENTED TO LIME KILN FOR INCINERATION	
GAS GENERATOR, CHLORINE DIOXIDE					
		CHL*	6.0000 LB/H		BACT
				ADSORPTION COLUMN	
		VE	20.0000 % OPACITY		SIP
PLANT, BLEACHING					
		CHL*	1.0000 LB/H		BACT
				SCRUBBER	
		CHL*	1.0000 LB/H		BACT
				SCRUBBER	
		VE	20.0000 % OPACITY		SIP

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

SOURCE TYPE/SIZE: KRAFT PULP MILLS

COMPANY NAME/SITE LOCATION: WILLAMETTE INDUSTRIES, INC. HIGHWAY 1406 — HAMESVILLE, KY — HANCOCK COUNTY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-84-77
DETERMINATION MADE BY KENTUCKY DAQ (AGENCY)
DANIEL GRAY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/06/84
ESTIMATED DATE OF START-UP--
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DISSOLVING TANK, SMELT	25.00 T/H UNBLEAC*	PM	FRESH WATER VENTURI SCRUBBER	BACT 98.10

NOTES --------
PERMIT WAS REVISED 9-17-84 TO INCLUDE THE SCRUBBER EFFICIENCY REQUIREMENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION CONSOLIDATED PAPER, INC. BISON, MI

DETERMINATION IS BACT
PERMIT NO. 84-DLJ-038
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)

DANIEL JOHNSTON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/10/88
ESTIMATED DATE OF START-UP-- 1986
(608)-267-9500 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, #B24	445.00 MMBTU/H				
		PM	0.0700 LB/MMBTU	ESP	BACT
		SO2	1.2000 LB/MMBTU		BACT
		VOC	0.0500 LB/MMBTU		BACT
		NOX	0.7000 LB/MMBTU		BACT
		CO	0.1000 LB/MMBTU		BACT
		VE	20.0000 % OPACITY		NSPS

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: CONSOLIDATED PAPERS, INC., 621 NORTH BIRON AVE., BIRON, WI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 84-DLJ-038
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
DAN JOHNSTON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/10/85
ESTIMATED DATE OF START-UP--
(608)-267-9500 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COAL UNLOAD & HANDLING		PM	5.2800 LB/H		
			90.0000 % EFFICIENCY		
				UNDERGROUND HOPPERS	90.00
COAL STORAGE		PM	8.4600 LB/H		
			90.0000 % EFFICIENCY		
				CHEMICAL SUPPRESANTS	90.00
BOILER	445.16 MMBTU/H	PM	0.0750 LB/MMBTU		
				MULTICLONE, ELECTRO	
		SO2	1.2000 LB/MMBTU		
				0.47% S IN COAL, MAX	
		VOC	0.0500 LB/MMBTU		
		NOX	0.7000 LB/MMBTU		
		CO	0.1000 LB/MMBTU		
		VE	20.0000 % OPACITY		

NOTES --------
PSD APPROVED BY REGION 5, EPA-5-A-85-1, FEB. 15, 1985. NEW BOILER SHALL NOT BE OPERATED SIMULTANEOUSLY WITH 3 EXISTING BOILERS , FOR PSD, & SO2 FROM 4 EXISTING BOILERS SHALL NOT EXCEED 3.61 LB/MMBTU.
COAL HANDLING FUGITIVE DUST EMISSION FACTORS NOT AVAILABLE. ESTIMATES MADE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/02/1985

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT) 70000.00 LB/H STEAM

COMPANY NAME/SITE LOCATION: FLETCHER PAPER CO. ALPENA, MI

DETERMINATION IS
PERMIT NO. 682-84A
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)

D. FERRIER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/15/86
ESTIMATED DATE OF START-UP-- 1986
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	70000.00 LB/H STEAM	PM	0.0500 LB/MMBTU	BAGFILTER	99.00
		SO2	1.4000 LB/MMBTU	LOW S COAL	
		NOX	0.6000 LB/MMBTU	COMBUSTION DESIGN	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT) 20.00 T/H

COMPANY NAME/SITE LOCATION: MASONITE CORP. STEWART, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30476
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
CATHY TAYLOR (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/25/86
ESTIMATED DATE OF START-UP-- 1986
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, "105"	12.50 T/H	PM	1.3000 LB/T DRYER INPUT 13.1000 LB/H	SCRUBBER	80.00
SAN, FINISHING	20.00 T/H	PM	0.9000 LB/H 3.9000 T/YR	BAGHOUSE	99.99
PRESS, BOARD	20.00 T/H	FOR*	2.7000 LB/H 8.6000 T/YR		

NOTES --------
PARTICULATEBOARD PRODUCTION LIMITED TO 174720 T/YR, NEW DRYER LIMITED TO 109200 T/YR & SANS LIMITED TO 174720 T/YR TOTAL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: HEAD PAPERBOARD — STEVENSON, AL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 705-0014-Z004
DETERMINATION MADE BY ALABAMA DEM (AGENCY)

SUE ROBERTSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/07/84
ESTIMATED DATE OF START-UP--
(205)-271-7861 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WOODWASTE	430.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
				MULTICLONE & VENTURI SCRUBBER	97.00
		NOX	0.7000 LB/MMBTU		NSPS
		CO	0.6000 LB/MMBTU		

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/30/1988

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT) 593.00 DRY T/D

COMPANY NAME/SITE LOCATION: NEWSPRINT SOUTH, INC. HWY 51 NORTH GRENADA, MS 38901

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 0960-00015
DETERMINATION MADE BY MISSOURI DNR-BPC (AGENCY)
JERRY BANKS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/10/87
ESTIMATED DATE OF START-UP-- 1989
(601)-961-5171 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF.
BOILER, BARK	151.12 MMBTU/H	PM	0.1000 LB/MMBTU	MULTICLONE & SCRUBBER	NSPS
		SO2	25.0000 T/YR, MAX		
		NOX	0.3000 LB/MMBTU	LOW EXCESS AIR	NSPS
		CO	72.0000 LB/H	COMBUSTION DESIGN	BACT
BOILER, NAT GAS	137.27 MMBTU/H	NOX	0.2000 LB/MMBTU	LOW EXCESS AIR	NSPS
		CO	5.5000 LB/H	COMBUSTION DESIGN	BACT

(M) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: NEWSPRINT SOUTH, INC. — GRENADA, MS

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 0960-00015
DETERMINATION MADE BY MISSISSIPPI DEQ, BPC (AGENCY)
JAY BARKLEY (AGENCY CONTACT PERSON)
(601)-961-5171 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/08/89
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, BARK/SLUDGE FIRED	196.20 MMBTU/H				
		PM	0.1000 LB/MMBTU 19.6000 LB/H	MULTICLONE, VENTURI SCRUBBER	BACT
		PM10	0.0850 LB/MMBTU 16.7000 LB/H	MULTICLONE, VENTURI SCRUBBER	BACT
		SO2	0.0940 LB/MMBTU 18.4000 LB/H	SEE NOTE 1	BACT
		NOX	0.3000 LB/MMBTU 58.9000 LB/H	COMBUSTION CONTROL, BOILER DESIGN	BACT
		CO	0.4700 LB/MMBTU 92.2000 LB/H	OPERATION CONTROL, BOILER CONTROL	BACT
		VOC	0.1000 LB/MMBTU 19.6000 LB/H	COMBUSTION CONTROL	BACT
		PB	1.5000 E-4 LB/H	MULTICLONE, VENTURI SCRUBBER	SIP
		BE	2.9000 E-5 LB/H	MULTICLONE, VENTURI SCRUBBER	SIP
		F	0.0044 LB/H	MULTICLONE, VENTURI SCRUBBER	SIP

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		HG	3.9000 E-5 LB/H	MULTICLONE, VENTURI SCRUBBER	SIP
		CD	3.2000 E-5 LB/H	MULTICLONE, VENTURI SCRUBBER	SIP
		CRVI	1.5000 E-4 LB/H	MULTICLONE, VENTURI SCRUBBER	SIP
		CU	0.0004 LB/H	MULTICLONE, VENTURI SCRUBBER	SIP
		NI	2.1000 E-4 LB/H	MULTICLONE, VENTURI SCRUBBER	SIP
		AS	0.0002 LB/H	MULTICLONE, VENTURI SCRUBBER	SIP
		VE	SEE NOTE 3	MULTICLONE, VENTURI SCRUBBER	BACT
BOILER, SEE NOTE 2, GAS FIRED	227.40 MMBTU/H	PM	0.0050 LB/MMBTU 1.1000 LB/H	MULTICLONE, VENTURI SCRUBBER	BACT
		PM10	0.0050 LB/MMBTU 1.1000 LB/H	MULTICLONE, VENTURI SCRUBBER	BACT
		SO2	0.0006 LB/MMBTU 0.1400 LB/H	SEE NOTE 1	40.00
		NOX	0.2000 LB/MMBTU 68.2000 LB/H	LEA, LOW NOX BURNERS	BACT
		CO	0.0400 LB/MMBTU 9.1000 LB/H	OPERATION CONTROL, BOILER DESIGN	BACT
		VOC	0.0014 LB/MMBTU 0.3200 LB/H	COMBUSTION CONTROL	BACT
		HG	0.0030 LB/H	MULTICLONE, VENTURI SCRUBBER	SIP
		VE	SEE NOTE 3	MULTICLONE, VENTURI SCRUBBER	BACT
BOILER, GAS FIRED	176.50 MMBTU/H	PM	0.0050 LB/MMBTU 0.8800 LB/H	MULTICLONE, VENTURI SCRUBBER	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		PM10	0.0050 LB/MMBTU		BACT
			0.8800 LB/H	MULTICLONE, VENTURI SCRUBBER	
		SO2	0.0004 LB/MMBTU		BACT
			0.1100 LB/H	SEE NOTE 1	60.00
		NOX	0.2000 LB/MMBTU		BACT
			35.3000 LB/H	LEA, LOW NOX BURNERS	
		CO	0.0400 LB/MMBTU		BACT
			7.1000 LB/H	BOILER DESIGN & OPERATION CONTROL	
		VOC	0.0014 LB/MMBTU		BACT
			0.2500 LB/H	COMBUSTION CONTROL	
		HG	0.0023 LB/H	MULTICLONE, VENTURI SCRUBBER	SIP
		VE	20.0000 % OPACITY, MAX	MULTICLONE, VENTURI SCRUBBER	BACT

NOTES --------
NOTE 1-USING A PH-CONTROLLED ALKALINE SOLUTION AS THE SCRUB MEDIUM IN THE VENTURI SCRUBBER. COMBUSTION CONTROL = COMBUSTION UTILIZES LOW EXCESS AIR, BOILER DESIGN, & LOW NOX BURNERS. NOTE 2-THIS BOILER IS THE SAME AS THE AFOR MENTIONED BUT WITH THE CAPABILITY FOR NATURAL GAS FIRING ONLY. NOTE 3- 20% MAX OPACITY, 6 MIN AVG, 27% MAX OPACITY BUT ONLY FOR ONE 6 MIN PERIOD PER HOUR.

(=) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION PORT HURON PAPER CO. 9125 WEST JEFFERSON DETROIT, MI

DETERMINATION IS B/L FOR A NEW SOURCE.
PERMIT NO. C-7445 THRU C-7447
DETERMINATION MADE BY WAYNE COUNTY APC (AGENCY)
CARL VOGT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/13/87
ESTIMATED DATE OF START-UP--
(313)-567-0710 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFBC, COAL FIRED	155.00 MMBTU/H	PM	0.0300 LB/MMBTU	MECHANICAL COLLECTOR & BAGHOUSE	LAER 99.90
		VE	10.0000 % OPACITY		
		SO2	0.4560 LB/MMBTU	LIMESTONE INJ.	BACT 90.00
		NOX	0.5000 LB/MMBTU	EQUIPMENT DESIGN	BACT
		CO	0.1420 LB/MMBTU	EQUIPMENT DESIGN	LAER
		VOC	3.1900 LB/H 14.0000 T/YR		

NOTES --------
CONTINOUS EMISSION MONITORING FOR OPACITY, NITROGEN OXIDE, SULFUR DIOXIDE, OXYGEN, CARBON MONOXIDE. SO2 EMISSION LIMITATION REFLECTS LIMITED AVAILABLE INCREMENT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION SIMPSON PAPER CO. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 86-40
DETERMINATION MADE BY SAN JOAQUIN CO. APCD (AGENCY)
SEYED SADREDIN (AGENCY CONTACT PERSON)
(209)-468-3474 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/22/87
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS	49.50 MW				
		NOX	233.0000 LB/D		
			6.0000 PPMVD AT 15% O2		
				SCR	
				STEAM INJECTION	
		CO	1302.0000 LB/D		
			55.0000 PPMVD AT 15% O2		
				COMBUSTION CONTROLS	

NOTES --------
IF PERMITTEE CANNOT MEET 6 PPMVD THEN CONDITIONS ALLOW 12 PPMVD, 413 LB, FROM THE ENTIRE PLANT PER DAY OR 130702 LB OVER 12 CO NSECUTIVE MONTHS, WHICHEVER IS STRICTER.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: SIMPSON PAPER CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 86-176
DETERMINATION MADE BY SAN JOAQUIN CO. APCD (AGENCY)
SEYED SADREDIN (AGENCY CONTACT PERSON)
(209)-468-3474 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/24/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, RESIDUAL OIL	60.00 MMBTU/H	SOX	250.0000 LB/D	MAX 0.5% S CONTENT OIL	

NOTES --------
MAXIMUM ANNUAL EMISSIONS ARE 45 TONS PER YEAR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

ID NUMBER CA-0252A

SOURCE TYPE CODE 10.2

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT) — 27.50 T/H

COMPANY NAME/SITE LOCATION: SOUTHEAST PAPER CORP. — DUBLIN, GA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 2611-087-9716
DETERMINATION MADE BY GEORGIA EPD (AGENCY)
JAMES JOHNSTON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/13/87
ESTIMATED DATE OF START-UP-- 1989
(404)-656-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFC	550.00 MMBTU/H				
		PM	0.1000	LB/MMBTU	NSPS
				ESP	99.50
		SO2	1.1000	LB/MMBTU	NAAQ
			90.0000	% REDUCTION	
				LIMESTONE INJ.	90.00
		NOX	0.6000	LB/MMBTU	NSPS
		VE	20.0000	% OPACITY	NSPS
				ESP	
TURBINE, COMBUSTION	545.00 MMBTU/H				
		PM	0.1000	LB/MMBTU	SIP
		SO2	150.0000	PPH	N/A
			0.5000	% S FUEL OIL	
		NOX	100.0000	PPH	BACT
				STEAM INJ.	
BURNER, DUCT	155.00 MMBTU/H				
		PM	0.1000	LB/MMBTU	NSPS
		NOX	0.2000	LB/MMBTU	NSPS
		SO2	0.5000	% S FUEL OIL	NAAQ
BOILER, CFC	545.00 MMBTU/H				
		PM	0.1000	LB/MMBTU	NSPS
				ESP	99.50
		SO2	1.1000	LB/MMBTU	NAAQ
			90.0000	% REDUCTION	
				LIMESTONE INJ.	90.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		NOX	0.6000 LB/MMBTU		NSPS
		VE	20.0000 % OPACITY		NSPS
				ESP	
TURBINE, COMBUSTION	545.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		SIP
		SO2	150.0000 PPM		N/A
			0.5000 % S FUEL OIL		
		NOX	100.0000 PPM		BACT
				STEAM INJ.	
BURNER, DUCT	155.00 MMBTU/H				
		PM	0.1000 LB/MMBTU		NSPS
		NOX	0.2000 LB/MMBTU		NSPS
		SO2	0.5000 % S FUEL OIL		NAAQ

NOTES ---------
BOILER BURNS COAL, SLUDGE, NATURAL GAS, #6 OIL, & WOOD FINES. DUCT BURNERS ARE RATED AT 99 MMBTU/H WHEN BURNING #6 FUEL OIL.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION STONE CONTAINER CO. , MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 728-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 08/01/88
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
REACTOR, COPELAND	131.00 MMBTU/H	PM10	0.1220 LB/MMBTU		BACT
			16.0000 LB/H	CYCLONE, VENTURI PACKED TOWER	99.80
		SO2	0.0200 LB/MMBTU		BACT
			2.6200 LB/H	SODIUM CARBONATE IN REACTOR	95.00

NOTES --------
REACTOR IS TO RECOVER SPENT PULPING LIQUOR, WHICH CONTAINS SODIUM HYDROXIDE, MINOR AMT., & SODIUM CARBONATE, MAJOR AMT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: STONE CONTAINER CORP. STONE HODGE MILL — HODGE, LA — JACKSON PARISH

DETERMINATION IS
PERMIT NO. PSD-LA-556
DETERMINATION MADE BY LOUISIANA DEQ, AQD (AGENCY)

ADDISON TATUM (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/09/90
ESTIMATED DATE OF START-UP-- 1992
(504)-342-0107 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CROSS RECOVERY	800.00 TADP/D	SO2	688.0000 LB/H 3013.0000 T/YR	COMBUSTION CONTROL	BACT
		NOX	198.0000 LB/H 867.0000 T/YR	COMBUSTION CONTROL	BACT
		CO	434.6000 LB/H 1904.0000 T/YR	COMBUSTION CONTROL	BACT
		VOC	34.4000 LB/H 151.0000 T/YR	COMBUSTION CONTROL	BACT
		TRS	25.0000 PPM	DESIGN/COMBUSTION CONTROL	SIP
SMELT TANK		SO2	6.7000 LB/H 29.0000 T/YR	WET SCRUBBER	BACT
		TRS	0.0330 LB/T LIQUOR SOLIDS, SEE NOTE	WET SCRUBBER	BACT

NOTES ---------
SMELT TANK TRS EMITTED AS H2S.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/28/1990

SOURCE TYPE/SIZE: WOOD PULPING (OTHER THAN KRAFT)

COMPANY NAME/SITE LOCATION: WISCONSIN TISSUE MILLS, TAYCO & 3RD STREET, MENASHA, WI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 88-DLJ-073
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
DANIEL JOHNSTON (AGENCY CONTACT PERSON)
(608)-267-9500 (PHONE)
DATE OF PERMIT ISSUANCE-- 02/28/89
ESTIMATED DATE OF START-UP-- 1982

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
AIR CAP, PAPER MACHINE 84, 82 O*	62.00 MMBTU/H				
		VE	15.0000	% OPACITY	BACT
		PM/*	0.8900	LB/H	BACT
			0.0150	LB/MMBTU	
				BACKUP FUEL TO NAT GAS	
		SO2	18.5000	LB/H	BACT
			0.3000	LB/MMBTU	
				0.2% S FUEL OIL BACKUP TO NAT GAS	
		NOX	0.3000	LB/MMBTU	BACT
				LOW NOX BURNER	
		CO	4.4200	LB/H	UNRG
			0.0700	LB/MMBTU	
				BACKUP FUEL TO NAT GAS	
AIR CAP, PAPER MACHINE 84, NAT *	62.00 MMBTU/H				
		PM	0.3100	LB/H	BACT
			0.0050	LB/MMBTU	
		SO2	0.0400	LB/H	SIP
		NOX	0.3000	LB/MMBTU	BACT
		VE	15.0000	% OPACITY	BACT
		CO	4.3400	LB/H	UNRG
			0.0700	LB/MMBTU	
PAPER MACHINE 84					
		VOC			BACT
				CARBON ADSORBER	92.50
				STEAM DISPENSER	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		VE	15.0000 % OPACITY		BACT
BOILER, #4, #6 OIL FIRED	75.00 MMBTU/H	VE	15.0000 % OPACITY		BACT
		SO2	65.8000 LB/H		BACT
			0.8800 LB/MMBTU	0.8% S #6 FUEL OIL BACKUP TO NAT GAS	BACT
		PM/M	5.6800 LB/H		
			0.0800 LB/MMBTU	0.8% S #6 FUEL OIL BACKUP TO NAT GAS	BACT
		NOX	0.3000 LB/MMBTU	LOW NOX BURNER BACKUP TO NAT GAS	BACT
		BE	4.1000 EE-4 LB/H	0.8% S #6 FUEL OIL BACKUP TO NAT GAS	UNRG
		CO	5.3600 LB/H		
			0.0720 LB/MMBTU		
BOILER, #4, 8 % OIL FIRED	75.00 MMBTU/H	VE	15.0000 % OPACITY		BACT
		SO2	22.4000 LB/H		BACT
			0.3000 LB/MMBTU	0.29% S #2 OIL BACKUP TO NAT GAS	BACT
		PM/M	1.0700 LB/H		
			0.0140 LB/MMBTU	BACKUP TO NAT GAS	BACT
		NOX	0.3000 LB/MMBTU	LOW NOX BURNER BACKUP TO NAT GAS	UNRG
		CO	5.3600 LB/H		
			0.0720 LB/MMBTU		
BOILER, #4, NAT GAS FIRED	75.00 MMBTU/H	SO2	0.3800 LB/H		SIP
			0.0050 LB/MMBTU		BACT
		PM/M	0.3800 LB/H		
			0.0050 LB/MMBTU		BACT
		NOX	0.3000 LB/MMBTU	LOW NOX BURNERS	UNRG
		CO	5.3600 LB/H		
			0.0720 LB/MMBTU		BACT
		VE	15.0000 % OPACITY		

NOTES --------
VOC EMISSIONS FROM THE PAPER MACHINE WILL BE ABOUT 1100 T/YR WITH ALL CONTROL EQUIPMENT OPERATIONAL.

(m) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE HARDBOARD

COMPANY NAME/SITE LOCATION LOUISIANA PACIFIC CORP. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. LPO-75-04-AC
DETERMINATION MADE BY BUTTE COUNTY APCD (AGENCY)

DATE OF PERMIT ISSUANCE-- 05/10/85
ESTIMATED DATE OF START-UP-- 1985
CRAIG GILMORE (AGENCY CONTACT PERSON)
(916)-534-4383 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, WOOD FIBER	611248.00 LB/H WOOD F*				
		PM	0.0520 GR/SCF		
			25.3400 LB/H		
				HIGH EFF. CYCLONE	99.90

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

SOURCE TYPE/SIZE HARDBOARD

COMPANY NAME/SITE LOCATION POTLATCH CORP. BEMIDJI, MN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 30C-89-I/O-1
DETERMINATION MADE BY MINNESOTA PCA (AGENCY)
LORI BARTELS (AGENCY CONTACT PERSON)
(612)-296-7599 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/23/89
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, WOOD GASIFIER	154250.00 T/YR FINISH*	PM	19.3000 LB/H, TOTAL 0.0150 GR/ACF	CYCLONE/ELECTRIFIED FILTER BED	BACT
		PM10	17.4000 LB/H, TOTAL 0.0135 GR/ACF	CYCLONE/ELECTRIFIED FILTER BED	BACT
		NOX	2.5800 LB/T FUEL	LOW DRYER INLET TEMP. COMBUSTION CONTROL	BACT
		VOC	0.5000 LB/T FINISHED PRODUCT	LOW DRYER INLET TEMP. COMBUSTION CONTROL	BACT
		CO	2.0000 LB/T FINISHED PRODUCT	LOW DRYER INLET TEMP. COMBUSTION CONTROL	BACT
		FOR*	0.4800 LB/T FINISHED PRODUCT	LOW DRYER INLET TEMP. USE OF ASPEN	BACT
PRESS	154250.00 T/YR FINISH*	PM/*	0.3190 LB/T FINISHED PRODUCT		BACT
		VOC	0.6100 LB/T FINISHED PRODUCT		BACT
		CO	0.0540 LB/T FINISHED PRODUCT		BACT
		FOR*	0.2800 LB/T FINISHED PRODUCT		BACT
PNEUMATIC SYSTEM	154250.00 T/YR FINISH*				

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

(CONTINUED) POTLATCH CORP.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		PM/*	0.2400 LB/H 0.0008 GR/ACF	BAGHOUSE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/29/1989

SOURCE TYPE/SIZE: PLYWOOD PLANTS — 25000.00 SQF/H

COMPANY NAME/SITE LOCATION: BRAND S CORP., LEADING PLYWOOD DIV. — CORVALLIS, OR

DETERMINATION IS
PERMIT NO. 02-2479
DETERMINATION MADE BY OREGON DEQ (AGENCY)

DONALD NEFF (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/28/84
ESTIMATED DATE OF START-UP-- 1985
(503)-229-6480 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, VENEER, DIRECT WOOD HEAT	7500.00 SQF/H	PM	0.7500 LB/MSQF GEOENERGY E-TUBE PRECIPITATOR/IONIZER	BACT 87.50

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION ANTHONY FOREST PRODUCTS CO. ATLANTA, TX
CASS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 16983
DETERMINATION MADE BY TEXAS ACB (AGENCY)
JAMES CROCKER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/11/86
ESTIMATED DATE OF START-UP-- 1987
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
KILN BURNER, WOOD FIRED		PM	12.3000 T/YR	CYCLONE SEPARATOR WOOD KILN	BACT
		NOX	46.4000 T/YR		
		CO	13.2000 T/YR		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 01/29/1988

SOURCE TYPE/SIZE OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION CHAMPION, INTERNATIONAL HAMILTON, OH BUTLER COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14-1491
DETERMINATION MADE BY SOUTHWESTERN OHIO APCA (AGENCY)
RUDOLF ZOLG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1988
(513)-251-8777 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS FIRED	197.00 MMBTU/H	PM	0.0200 LB/MMBTU		BACT NSPS
		NOX	0.2000 LB/MMBTU	LOW NOX BURNERS	35.00

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS — 117.00 MMBTU/H

COMPANY NAME/SITE LOCATION: COLLINS & AIKMAN CORP. — ALBEMARLE, NC

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 5825
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)
MIKE SEWELL (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/14/86
ESTIMATED DATE OF START-UP-- 1987
(919)-733-7015 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED	117.00 MMBTU/H	PM	0.0500 LB/MMBTU	BAGFILTER	99.00
		SO2	1.5000 LB/MMBTU	LOW S COAL, 1%	
		NOX	0.6000 LB/MMBTU	CONTROL OF EXCESS AIR	
		F	6.4000 EE-3 LB/MMBTU		
		H2S*	0.0210 LB/MMBTU	LOW S COAL	

NOTES --------
NOX LIMIT IS BASED ON THE PROPOSED NSPS FOR BOILERS >100.0 MMBTU/H

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/10/1986

SOURCE TYPE/SIZE OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION D-SCAN FURNITURE, INC. SOUTH BOSTON, VA

DETERMINATION IS BACT
PERMIT NO. 30813
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)

KATHERINE MILLER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/12/86
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OPERATION, WOODWORKING	45.00 LB/CF	PM	13.5800 LB/H 59.5200 T/YR	BAGHOUSE	99.00
BOILER, WOODWASTE	5.02 MMBTU/H	PM	0.3000 LB/MMBTU 1.5100 LB/H	MULTICYCLONE	75.00
		SO2	2.5500 LB/H 11.1700 T/YR		
		VOC	0.4400 LB/H 1.9300 T/YR		
		NO2	0.2100 LB/H 0.9300 T/YR		
		CO	2.5100 LB/H 11.0000 T/YR		
LACQUER LINE EXHAUST	277.50 SQ METER/H	VOC	31.9200 LB/H 139.8000 T/YR		
VENEER SIZING & GLUEING OPERATI*	277.50 SQ METER/H	FOR*	1.3800 LB/H 6.0400 T/YR		
SILO, FUEL		PM		ZERO EMISSIONS CLOSED LOOPS	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

(CONTINUED) D-SCAN FURNITURE, INC.

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)				

NOTES --------
APPROVED FUELS FOR BOILER ARE #2 OIL & WOODWASTE. AN OPACITY TEST WILL BE CONDUCTED ON THE BOILER, THE MULTICYCLONE, THE VENEER/GLUEING EXHAUST & ON THE BAGHOUSE. THE STACK OF THE VENEER/GLUEING OPERATION SHALL BE AT LEAST 37.5 FT HIGH.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/20/1987

SOURCE TYPE/SIZE OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION HYPONEX CORP. , TX

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9767
DETERMINATION MADE BY TEXAS ACB (AGENCY)
JOHN ARGUBRIGHT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/01/85
ESTIMATED DATE OF START-UP-- 1985
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SCREENING & BAGGING	30000.00 T/YR	PM	6.0000 T/YR	WATER SPRAY	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE OTHER WOOD PRODUCTS 124700.00 T/YR

COMPANY NAME/SITE LOCATION INTERNATIONAL PAPER CO. , TX NACOGDOCHES COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-9958
DETERMINATION MADE BY TEXAS ACB (AGENCY)
J. KNIPSTEIN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/20/85
ESTIMATED DATE OF START-UP-- 1986
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
HEATER		PM		ELECTRIFIED GRAVEL BED FILTER	BACT 95.00

NOTES --------
ELECTRIFIED FILTER BED TECHNOLOGY IS RELATIVELY NEW.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/30/1987

SOURCE TYPE/SIZE OTHER WOOD PRODUCTS 65760.00 T/YR

COMPANY NAME/SITE LOCATION LOUISIANA-PACIFIC CORP. DUNGANNON, VA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 11021
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
N.T. CREASY, JR. (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/17/87
ESTIMATED DATE OF START-UP-- 1987
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BURNER, KONUS	31.00 MMBTU/H	PM	1.9000 LB/H 4.9000 T/YR	CYCLONE, FABRIC FILTER	94.00
		SO2	0.6000 LB/H 1.5000 T/YR		
		VOC	6.1000 LB/H 16.0000 T/YR		
		NOX	6.5000 LB/H 17.1000 T/YR		
		CO	17.4000 LB/H 45.6000 T/YR		
DRYER, MAFER	40.00 MMBTU/H	PM	9.0000 LB/H 39.3000 T/YR	CYCLONE, ELECTRIFIED FILTER BED	97.00
		SO2	0.4000 LB/H 1.1000 T/YR		
		VOC	13.0000 LB/H 54.4000 T/YR		
		NOX	4.5000 LB/H 12.6000 T/YR		
		CO	12.0000 LB/H 33.6000 T/YR		
CONVEYOR, FORMING	9.29 T/H				

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		PM	0.7000 LB/H 3.0000 T/YR	FABRIC FILTER	99.00
TRIMING-GRADING	8.96 T/H				
		PM	2.2000 LB/H 9.7000 T/YR	FABRIC FILTER	99.00
PRESS, 2 VENTS	9.29 T/H				
		VOC	11.9000 LB/H 47.4000 T/YR	LIMIT INCLUDES FORMALDEHYDE & PHENOL EMISSIONS RESIN USAGE LIMIT	
		FOR*	5.0000 LB/H 12.0000 T/YR	RESIN LIMIT	
		PHE*	2.0000 LB/H 8.0000 T/YR	RESIN LIMIT	

NOTES --------
65760 T/YR MFRBRD LIM,19000 T/YR WOOD/BARK LIM-KONUS BURNER,14000 T/YR WOOD LIM-MCCONNELL WOOD BURNER,WET WAFER FEED=16.42 T/H MAX,WAFER PROD=8.22 T/H MAX,RESIN=8.22 T/H & 1400 T/YR MAX,82 OIL-KONUS & MCCONNELL BURNERS,PRESS CONTRL ACROSS FILTERS & ELECT FILTER BED,TEMP MEASURE OF ROTARY WAFER DRYER(IN/OUT),QUART REPORT, ANNUAL TEST,DRYER/PRESS STK HT LIM. NON-CRITA POLL .,FORMALDEHYDE & PHENOL,ADD TO THE VOC EMIS. PERMIT TO UP MFRBRD PROD. TESTING FOR PM,VOC,NON-CRITA POLL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION: THIELE KAOLIN CO. SANDERSVILLE, GA

DETERMINATION IS
PERMIT NO. 3295-150-3889-0
DETERMINATION MADE BY GEORGIA EPD (AGENCY)

WILLIAM MONTGOMERY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/20/87
ESTIMATED DATE OF START-UP-- 1987
(404)-656-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, SPRAY	30.00 T/H	PM	0.0250 GR/DSCF	BAGHOUSE	B/P 99.90
		SO2	0.5000	% MAX S CONTENT BACKUP FUEL OIL	
			2174.0000	H/YR ON FUEL OIL	
				S CONTENT OF FUEL & OPER HRS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION: MEYERHAEUSER CO. — MARSHFIELD, MI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 87-DLJ-012
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)
DANIEL JOHNSTON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/29/87
ESTIMATED DATE OF START-UP-- 1988
(608)-267-9500 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYER, WOOD	11.00 T/H, DRY	VOC	18.0000 LB/H	HARDWOOD ONLY & LOW TEMP DRYING	BACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE: OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION: WISCONSIN TISSUE MILL, INC. MENASHA, WI

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 86-DLJ-075
DETERMINATION MADE BY WISCONSIN DNR (AGENCY)

DANIEL JOHNSTON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 05/11/87
ESTIMATED DATE OF START-UP-- 1988
(608)-267-9500 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 0822 & 823, AVG	72.40 MMBTU/H	PM	0.0900 MMBTU/H 1% SULFUR, #6 OIL	BACT
		SO2	1.1000 LB/MMBTU 1% SULFUR, #6 OIL	BACT
		NOX	0.3800 LB/MMBTU 1% SULFUR, #6 OIL	BACT
		BE	1% SULFUR, #6 OIL	NACT

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/29/1988

SOURCE TYPE/SIZE OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION WOOD PRESERVERS, INC. , VA
RICHMOND COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 40150
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
SANDRA MORSE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/12/89
ESTIMATED DATE OF START-UP-- 1989
(804)-225-3454 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	48.60 MMBTU/H				
		PM	0.8900 LB/H		
				2 MULTICYCLONES	89.90
		PM10	5.9500 LB/H		
				2 MULTICYCLONES	89.90
		VOC	7.6000 LB/H		
			17.1000 T/YR		
				OPERATING PARAMETERS	
		NO2	3.7000 LB/H		
			8.3000 T/YR		
				COMB TEMP 2050-2450 DEG F	
		CO	21.6000 LB/H		
			48.8000 T/YR		
		SO	0.4320 LB/H		
				OPERATING PARAMETERS	
		AS	0.4250 LB/H		
				OPERATING PARAMETERS	
		BE	3.6000 E-4 LB/H		
				OPERATING PARAMETERS	
		CD	0.0022 LB/H		
				OPERATING PARAMETERS	
		CR	0.1790 LB/H		
				OPERATING PARAMETERS	
		CU	0.2870 LB/H		
				OPERATING PARAMETERS	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		NO	0.0340 LB/H	OPERATING PARAMETERS	
		HAP*	4.0000 E-4 LB/H	OPERATING PARAMETERS	
		NI	0.1910 LB/H	OPERATING PARAMETERS	
		SE	0.0340 LB/H	OPERATING PARAMETERS	
		AG	7.2000 E-4 LB/H	OPERATING PARAMETERS	
		TL	0.0340 LB/H	OPERATING PARAMETERS	
		ZN	0.0950 LB/H	OPERATING PARAMETERS	
		DIO*	9.0000 E-7 LB/H	OPERATING PARAMETERS	
		NOX*	11.0000 MG/CUBIC METER		

NOTES --------
TESTING FOR 99.99% DRE FOR - ACENAPHTYLENE, ACENAPHTHLENE, ANTHRALENE, BENZO-1-PYRENE, CHAYSENE, FLUORANTHENE, FLUORENE, PHENA
NTHENE, PYRENE. DRE OF 99.95% FOR NAPHTHALENE. STACK TESTING REQUIRED EVERY OTHER YEAR
BEGINING SEPT 1991. AMOUNT OF CREOSOTE SLUDGE LIMITED TO RATE OF 375-425 LB/H, VE LIMITED TO 10% OPACITY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION WYCKOFF CO. CREOSOTE, MA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 2857
DETERMINATION MADE BY PUGET SOUND APCA (AGENCY)
JAMES NOLAN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/20/87
ESTIMATED DATE OF START-UP-- 1987
(206)-344-7355 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... B BASIS ... PCT EFF
RETORT, WOOD PRESERVING		VOC		FUME INCINERATOR	BACT 99.99

NOTES ---------
VOC EMISSIONS ARE NAPTHALENE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE OTHER WOOD PRODUCTS

COMPANY NAME/SITE LOCATION 3M CO. CYNTHIANA, KY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. C-85-83
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY)

JAMES DILLS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/30/85
ESTIMATED DATE OF START-UP-- 1985
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COMPOUNDING AREA, 3		VOC	2.9700 LB/H 12.9800 T/YR		BACT
				NONE	0.00
CLEANING TANK, PARTS, 3		VOC	2.3400 LB/H 10.2600 T/YR		BACT
				NONE	0.00
OVEN, LABORATORY DRYING, 2		VOC	1.1300 LB/H 4.9400 T/YR		BACT
				NONE	0.00
HOOD, LABORATORY FUME, 2		VOC	0.3700 LB/H 1.6400 T/YR		BACT
				NONE	0.00
SPRAY BOOTH, PAINT, W/CLEANUP S*		VOC	2.0000 LB/H 8.7400 T/YR		BACT
				NONE	0.00
STORAGE TANK, SOLVENT-ADHESIVE *		VOC	0.4600 LB/H 2.0000 T/YR		BACT
				NONE	0.00
COATER, 2 & OVEN, 2					

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/03/1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		VOC	279.2400 LB/H 1222.9900 T/YR	2 INCINERATORS	BACT 90.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/03/1988

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: A E S THAMES, INC.
125 DEPOT RD
UNCASVILLE, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 107-0015
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/14/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. HANDLING SYSTEM	2.00 MMLB/H	PM	1.3519 LB/H	BAGHOUSES	99.90

(M) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION 60.00 LB/H

COMPANY NAME/SITE LOCATION APPALACHIAN PLASTICS, INC. CHILHOWIE, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 11074
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/20/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY-UP	60.00 LB/H PRODUCT	VOC	27.7000 LB/H		
			28.3000 T/YR		
		VE	20.0000 % OPACITY		
		STY*	130.0000 LB/D		
			13.0000 LB/H		

NOTES --------
CONSTRUCT A 696 T/YR FIBERGLASS REINFORCED PLASTICS FACILITY. 2080 H/YR FILAMENT WINDING & SPRAY-UP. ODOR COMPLAINTS REQUIRE C
ORRECTIVE ACTIONS. FILAMENTS WINDING RATED AT 500 LB/H PRODUCT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 25000.00 LB/H

COMPANY NAME/SITE LOCATION: BARON DRAWN STEEL — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-363
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/21/87
ESTIMATED DATE OF START-UP-- 1987
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATING LINE, PICKLING	25000.00 LB/H	H2S*	0.2550 LB/H PACKED TOWER, SPRAY CHAMBER	SIP 98.00
BOILER, GAS FIRED, 2 EA	6.00 MMBTU/H	PM	0.0200 LB/MMBTU	SIP
		SO2	6.0000 EE-4 LB/MMBTU	SIP

NOTES --------
H2SO4 CLEANING, RINSE, & COATING TANKS

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION 50000.00 LB/H

COMPANY NAME/SITE LOCATION BARON DRAWN STEEL CORP. TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-330
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/17/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ROD CLEANING MACHINE, 3 WHEEL	50000.00 LB/H	PM	0.3200 LB/H	FABRIC FILTER	SIP 99.00

NOTES --------
WHEELABRATOR-FRYE ROD CLEANING MACHINE, USING STEEL GRIT ABRASIVE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION BEADEX MFG CO., INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 183480 THRU 3
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
S. FLEISHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/18/89
ESTIMATED DATE OF START-UP-- 1988
(714)-872-6065 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. STORAGE, CALCIUM CARBONAT*	200000.00 LB	PM	150.0000 LB/D	FILTER VENT	BACT
MATL. STORAGE, CALCIUM CARBONAT*	200000.00 LB	PM	150.0000 LB/D	FILTER VENT	BACT
MATL. PROCESSING, DRY	406000.00 LB/D	PM	150.0000 LB/D	BAGHOUSE	BACT
MATL. PROCESSING, WET	532000.00 LB/D	PM	150.0000 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION BENDIX ELECTRONICS, NEWPORT NEWS, VA
NEWPORT NEWS OPERATION

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 61061
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/07/87
ESTIMATED DATE OF START-UP-- 1988
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LAB, SILICON MICROMACHINING		VOC	1.5000 LB/H 4.4000 T/YR	GOOD OPERATING PRACTICE	
		H2S*	0.1200 LB/H 0.1500 T/YR	WET SCRUBBER	90.00
		NIT*	0.0900 LB/H 0.1100 T/YR	WET SCRUBBER	90.00
		AS	4.0000 EE-4 LB/H 5.0000 EE-4 T/YR	GOOD OPERATING PRACTICE	
		CR	8.0000 EE-4 LB/H 0.0010 T/YR	GOOD OPERATING PRACTICE	
		PHO*	4.0000 EE-4 LB/H 5.0000 EE-4 T/YR	GOOD OPERATING PRACTICE	
		POC*	0.0200 LB/H 0.0200 T/YR	GOOD OPERATING PRACTICE	
		NI	4.0000 EE-4 LB/H 5.0000 EE-4 T/YR	GOOD OPERATING PRACTICE	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		HYD*	0.0400 LB/H 0.0500 T/YR	WET SCRUBBER	90.00
		HYD*	0.0200 LB/H 0.0200 T/YR	WET SCRUBBER	90.00
		PHO*	0.1100 LB/H 0.1300 T/YR	CHILLER, WET SCRUBBER	90.00
		POT*	0.0200 LB/H 0.0300 T/YR	CHILLER, WET SCRUBBER	90.00
		TL	1.0000 EE-5 LB/H 1.0000 EE-5 T/YR	GOOD OPERATING PRACTICE	

NOTES --------
PERMIT TO CONSTRUCT & OPERATE A SILICON MICROMACHINING LAB. LIST OF NON-CRITERIAS EXAMINED, BUT EXEMPT. LIST INCLUDED IN THE P
ERMIT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

SOURCE TYPE CODE 11.0

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: BRIDGEPORT METAL GOODS MFG. CO. — BRIDGEPORT, CT
365 CHERRY ST.

DETERMINATION IS BACT
PERMIT NO. 015-0132
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)

ERNEST BOUFFARD (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/12/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, GAS & #6 OIL FIRED	15.72 MMBTU/H				
		SO2	8.9500 T/YR	0.5% FUEL, HRS OF OPERATION	
		NOX	0.3000 LB/MMBTU	BURNER DESIGN	30.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION 384.00 LB/H

COMPANY NAME/SITE LOCATION CANON VIRGINIA, INC. NEWPORT NEWS, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 61045
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/06/88
ESTIMATED DATE OF START-UP-- 1988
(804)-768-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TRANSFER POINT, OPEN, 4	384.00 LB/H	PM	0.0100 LB/H EA 0.0100 T/YR EA	BAGHOUSE	99.90
TRANSFER POINT, PROCESS, 7	384.00 LB/H	PM	0.0100 LB/H EA 0.0200 T/YR EA	BAGHOUSE	99.90
TRANSFER POINT, PNEUMATIC, 3	384.00 LB/H	PM	0.0100 LB/H EA 0.4000 T/YR EA	CYCLONE/BAGHOUSE	99.90
FUGITIVE EMISSIONS	384.00 LB/H	PM	6.5000 LB/H 20.2000 T/YR		
PLANT	134.40 LB/H	SIL*	0.1000 LB/H 0.4000 T/D	SEE CONTROLS ON OTHER PROCESSES	

NOTES --------
PERMIT TO CONSTRUCT & OPERATE A COPIER-TONER MFG PLANT. ANNUAL PROD OF COPIER-TONER LIMITED TO 1440 TONS. 5% OPACITY LIMIT. RA
N MATL MIXING ,OPEN TRANSFER POINTS & PRODUCT PACKING ESTIMATES ASSUME 1/2% LOST AS FUGITIVE EMIS.
OPEN TRANSFER POINT CONTROLS ARE 60% CAPTURE EFF & BAGHOUSE 99.9 EFF. PROCESS TRANSFER POINT - FAB FILTER 99.5% EFF. & BAGHOUS
E - 99.9% EFF.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 03/31/1988

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: CAPITOL TIRE CO., 455 PUTNAM AVE, HAMDEN, CT 06514

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 073-0013 & 14
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
(203)-566-8230 (PHONE)
DATE OF PERMIT ISSUANCE-- 01/10/90
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RETREADED	1591.00 GAL/YR CEME*	PM	0.0100 LB/H	DRY FILTER	
		VOC	1.7600 LB/H	CAL625 RETREAD CEMENT	
BUFFER, TIRE	1848.00 LB/H	PM	0.6170 LB/H	CYCLONE	99.86

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: COASTCAST CORP. , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 215133
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
M. POLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/10/89
ESTIMATED DATE OF START-UP-- 1990
(818)-572-6122 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLASTING MACHINE, ABRASIVE	5091.00 LB/H	PM	13.0000 LB/D	DUST COLLECTOR	BACT 98.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: COLOR AMERICA TEXTILE PROCESSING, INC. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 151991
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

ARTURO ARREOLA (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/23/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6192 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PROCESSING SYSTEM, TEXTILE	4.00 MMBTU/H	PM	6.0000 LB/D	ESP	BACT 99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: DART CONTAINER CORP. , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 87-158
DETERMINATION MADE BY SAN JOAQUIN CO. APCD (AGENCY)
SEYED SADREDIN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/22/88
ESTIMATED DATE OF START-UP-- 1988
(209)-468-3474 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MFG PROCESS, SEE NOTES		VOC	250.0000 LB/D	INCINERATION COLLECTION SYSTEM	BACT 26.50

NOTES --------
MFG PROCESS INCLUDES STYROFOAM CUP MANUFACTURING, MIXERS, PRE-EXPANDERS, & CUP PRESSES. EMISSION LIMITS MAY CHANGE BASED ON SOURCE TESTING RESULTS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 77.70 LB/H

COMPANY NAME/SITE LOCATION: FIBERMASTER, INC. — CULPEPER, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. (7)40763
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

JACK SCHUBERT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/03/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	*POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LAMINATING, FLAGPOLES	77.70 LB/H	MEK*	1.8600 LB/H 3.7200 T/YR MATL BALANCE METHODS	
PAINTING/COATING, FLAGPOLES	7.35 T/YR	VOC	3.5000 LB/H 7.0000 T/YR MATL BALANCE METHODS	

NOTES --------
SOURCE MANUFACTURES FLAGPOLES FROM POLYESTER RESINS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 10/15/1988

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION FIRESTONE TIRE & RUBBER CO. WILSON, NC

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 1660R12
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)
SAMMY AMERSON (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/31/89
ESTIMATED DATE OF START-UP--
(919)-733-3340 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
CEMENTING UNIT, UNDERTREAD	10000.00 TIRE/D	VOC	636.0000 LB/D 80.5900 T/YR	NOZZLE DESIGN/SPRAY TECHNIQUES	BACT

NOTES --------
INSTALLED IN DEC. 1982 - NSPS NOT APPLICABLE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 08/31/1989

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION FIVE BROTHERS TIRE , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 153194
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
ARTURO ARREOLA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/05/88
ESTIMATED DATE OF START-UP--
(818)-572-6192 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BUFFER, TIRE	30.00 HP			
		PM	2.0000 LB/D	BACT
			CYCLONE	99.30
			H2O SPRAY	

NOTES --------
THE COSTS ARE BASED ON A ONE YEAR LIFE. 99.3% CONTROL ESTIMATED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: FLAG FIRE, INC.
1142 CORPORATE DR
HOLLAND, OH 43528
LUCAS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-603
DETERMINATION MADE BY TOLEDO ESD (AGENCY)
JEFFREY TMADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. TRANSFER, DRY CHEM OF FIR*	900.00 LB/H	PM	0.6300 LB/H FABRIC FILTER	BACT 90.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION FONTANA PAPER MILLS, INC. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 123531
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
R. THRASH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/26/87
ESTIMATED DATE OF START-UP-- 1987
(714)-877-2369 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SATURATOR LINE	14300.00 LB/H	PM	19.8000 LB/D	HEAF FILTERS	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION G.C.M. COATINGS , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 141869
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
SAEED AHBOUT (AGENCY CONTACT PERSON)
(818)-572-6143 (PHONE)
DATE OF PERMIT ISSUANCE-- 11/10/86
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLASTING ROOM, ABRASIVE		PM	33.2800 LB/D, RULE 405 TWO BAGHOUSES	98.00

NOTES --------
OPERATES 16 H/D. 0.055 GR/DSCF = RULE 404 LIMIT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GLOBE MANUFACTURING CO. GASTONIA, NC

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 2106R6
DETERMINATION MADE BY NORTH CAROLINA DEM (AGENCY)
SAMMY AMERSON (AGENCY CONTACT PERSON)
(919)-733-3340 (PHONE)
DATE OF PERMIT ISSUANCE-- 05/05/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EXTRUDING LINE, FIBER, NO.6	5000.00 LB/D TOLUEN*	VOC	500.0000 LB/D	CARBON ADSORPTION	BACT 90.00

NOTES --------
90% OVERALL INCLUDES FUGITIVE VOC EMISSIONS.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 07/01/1989

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION 3000.00 LB/H

COMPANY NAME/SITE LOCATION GMC - HYDRA-MATIC DIV. TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-345
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
(419)-693-0350 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/17/86
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DEBURRING, THERMAL	3000.00 LB/H	PM	0.0200 LB/MMBTU SEE NOTES	SIP

NOTES ---------
DEBURRING OF MACHINE PARTS BY THERMAL METHOD. PM CONTROL BY USE OF NATURAL GAS FOR COMBUSTION & MAINTAINING DEOXIDE 700S BELOW THE BOILING POINT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987
SOURCE TYPE CODE 11.0

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: GOLD BOND BUILDING PRODUCTS , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 155860
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

FRED DEL ROSARIO (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 07/22/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6439 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PRODUCTION EQUIP., SEE NOTES	2900.00 LB/H	PM	0.4800 LB/D DUST COLLECTOR	BACT 99.00

NOTES ---------
PRODUCTION EQUIPMENT INCLUDES RISER MAKER, CHOPPER, & CONVEYORS. THEY ARE CUSTOM BUILT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GREGG INDUSTRIES,INC. , CA

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 154158
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
M. POLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/03/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6122 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLASTING MACHINE, ABRASIVE	80000.00 LB/H	PM	5.0000 LB/D	BAGHOUSE	BACT 98.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION GRISWOLD RUBBER CO., INC. MOOSUP, CT
1 RIVER ST

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 145-0020
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
(203)-566-8230 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/06/89
ESTIMATED DATE OF START-UP-- 1983

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER & MIX MILL	2795.00 LB/H SPONGE*	VOC	0.0658 LB/H		
		PM		NEGLIGIBLE	
				BAGHOUSE	95.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION HOMAC MANUFACTURING CO. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8711
DETERMINATION MADE BY KINGS COUNTY APCD (AGENCY)
MARK POINDEXTER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/11/88
ESTIMATED DATE OF START-UP-- 1988
(209)-584-1411 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXING/HOLDING	200.00 GAL/D RESIN	VOC	250.0000 LB/D	AIRLESS AIR-ASSISTED SPRAY GUNS	BACT

NOTES --------
EMISSIONS ARE LESS THAN 3% BY WEIGHT VAPOR, LESS FROM CURING OVEN.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: IBM CORP. — LEXINGTON, KY

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-85-137
DETERMINATION MADE BY KENTUCKY DAPC (AGENCY)
JAMES DILLS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/26/85
ESTIMATED DATE OF START-UP--
(502)-564-3382 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
COATER, UNIFORM 3,4,& 5					
		VOC	71.2900 LB/H		BACT
			311.4000 T/YR		
				FIXED CARBON BED ADSORPTION UNIT	95.00
SOLVENT, CLEANUP					
		VOC	0.2100 LB/H		BACT
			0.9000 T/YR		
				FIXED CARBON BED ADSORPTION UNIT	95.00
SOLVENT RECOVERY/DISTILLATION C*					
		VOC	19.4400 T/YR, SEE NOTES		BACT
				NONE	0.00

NOTES --------
VOC EMISSIONS FROM THE ANHYDROUS ISOPROPANOL COLUMN WHICH USES CYCLOHEXANE SOLVENT AS AN ENTRAINER TO DISTILL THE ISOPROPANOL. THE CYCLOHEXANE SOLVENT WILL NOT BE CAPTURED & IT'S EMISSIONS WILL EXIT THROUGH THE DISTILLATION COLUMN'S VENT PIPING & WILL BE FUGITIVE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/19/1987

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION JAMES HARDIE BUILDING PRODUCTS, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 206291,206292,206422
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
S. FLEISHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990
(714)-872-6065 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. PROCESSING SYSTEM, #1	470000.00 LB/D	PM	150.0000 LB/D	BAGHOUSE	
MATL. PROCESSING SYSTEM, #2	470000.00 LB/D	PM	150.0000 LB/D	BAGHOUSE	
MATL. STORAGE, CEMENT SILO	300.00 T/D	PM	150.0000 LB/D	FILTER VENT	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: JOHNSON CONTROLS, INC. , MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 357-88
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
CHRISTOPHER STOCK (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 07/28/88
ESTIMATED DATE OF START-UP-- 1988

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MFG PROCESS, POLYURETHANE FOAM	3.20 MMLB/YR	VOC	15.2000 LB/H 39.0000 T/YR	AIRLESS SPRAY GUN FOR MOLD RELEASE	BACT

NOTES --------
VOC EMISSION IS FROM MOLD RELEASE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION KELLOGG SUPPLY, INC. , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 216564 & 216599
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
LISA MIRISOLA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990
(818)-572-6176 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BAGGING SYSTEM, SOIL CONDITIONE*	66000.00 LB/H	PM	7.9200 LB/D	BAGHOUSE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: LORBER INDUSTRIES OF CALIFORNIA, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 157353, SEE NOTE
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
EDWARD GUY III (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/21/89
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6146 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TENTER FRAMES, 3	12.00 MMBTU/H TOT*	PM	150.0000 LB/D ESP	BACT

NOTES --------
BASIC PERMIT #139043, 161876, 198118, & CONTROL # 157353.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION 12000.00 LB/H

COMPANY NAME/SITE LOCATION HATHER METALS TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-371
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
WILLIAM GARBER (AGENCY CONTACT PERSON)
(419)-693-0350 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/03/87
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
FORM & HEAT TREAT LINE, 2 EA	6000.00 LB/H			
		PM	3.3000 LB/MMCF GAS	SIP
			0.0000 % OPACITY	
			TUBES DRAINED OF OIL BEFORE BEING FED TO FURNA*	
		SO2	6.6600 LB/MMCF GAS	SIP
			TUBES DRAINED OF OIL BEFORE BEING FED TO FURNA*	
SHOTPEEN MACHINE, 2 EA	8000.00 LB/H			
		PM	0.0550 LB/H	SIP
			0.0000 % OPACITY	
			FABRIC FILTER	90.00

NOTES --------
PROCESS CONSISTS OF GAS FIRED BOX FURNACE, OIL QUENCH, & TEMPER OVEN.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION METROPOLITAN STEVEDORE CO. , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 163992 THRU 5
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
DANNY LOUNG (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/04/88
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6170 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. TRANSFER, BELT CONVEYOR, *	3000.00 METRIC T/H	PM	150.0000 LB/D	BAGHOUSE WATER SUPPRESSION, ENCLOSURE	BACT
MATL. TRANSFER, BELT CONVEYOR, *	4000.00 METRIC T/H	PM	150.0000 LB/D	BAGHOUSE WATER SUPPRESSION, ENCLOSURE	BACT
MATL. TRANSFER, BELT CONVEYOR, *	2000.00 METRIC T/H	PM	150.0000 LB/D	BAGHOUSE WATER SUPPRESSION, ENCLOSURE	BACT
MATL. TRANSFER, BELT CONVEYOR, *	2000.00 METRIC T/H	PM	150.0000 LB/D	BAGHOUSE WATER SUPPRESSION, ENCLOSURE	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION MICROBIOTROL, INC. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 146240
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

HEBERT WILSON (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/20/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6247 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STERILIZATION/AERATION CHAMBER	120.00 LB/D MAX	ETH*	0.0300 LB/D ACID CATALYST SCRUBBER	BACT 99.90

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: NEW ENGLAND FURNITURE, 1 HILL ST — JEWETT CITY, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 069-0003
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)

DATE OF PERMIT ISSUANCE-- 03/15/88
ESTIMATED DATE OF START-UP-- 1986

SUSAN AMARELLO (AGENCY CONTACT PERSON)
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	15.20 MMBTU/H				
		PM	0.0470 LB/MMBTU		
		SOX	0.5230 LB/MMBTU		
			SEE NOTES		
		NOX	0.3670 LB/MMBTU		
		VOC	0.0090 LB/MMBTU		
		CO	0.0330 LB/MMBTU		
		PB	4.0000 E-6 LB/MMBTU		

NOTES --------
0.5% SULFUR CONTENT OIL & 100000. GAL/YR LIMIT.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION NIPPON PIGMENT USA, INC. DEER PARK, TX HARRIS COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 17497
DETERMINATION MADE BY TEXAS ACB (AGENCY)
JIM KNIPSTEIN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/02/86
ESTIMATED DATE OF START-UP-- 1987
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MIXER, 2		PM	0.5000 T/YR	FABRIC FILTER	BACT
EXTRUDER, 12		VOC	0.2500 T/YR	FABRIC FILTER SEPARATORS	BACT
FUGITIVE		PM	0.1050 T/YR		BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: NORTHROP
B-Z DIVISION
, CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 187564
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
RAVI BHATIA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/21/89
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6152 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL. APPLIC., AIRCRAFT SPRAY FA		VOC	81.0000 LB/D	FILTER TYPE CARBON ADSORBER	

NOTES --------
TOTAL COST FOR THE APPLICANT IS $615000. THIS COST MAY HAVE INCLUDED SOME MAJOR MODIFICATION TO THE SPRAY FACILITY. THE ACTUAL COST FOR THE CONTROL EQUIPMENT COULD BE LESS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990
SOURCE TYPE CODE 11.0

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION NUTECH ENTERPRISES , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. D06937
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
KEN ELLIS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 04/07/89
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6443 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
VAPOR EXTRACTION SYSTEM, SOIL	5.50 HP	ROG	75.0000 LB/D	THERMAL OXIDIZER	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

ID NUMBER CA-0357

SOURCE TYPE CODE 11.0

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION POLYSAR, INC. 345 MORGAN LANE WEST HAVEN, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 203-0030
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/20/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
EXTRUDER, TWIN SCREW	1800.00 LB/H	VOC	0.0800 LB/H	CATALYTIC INCINERATOR	90.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 443.00 MMBTU/H

COMPANY NAME/SITE LOCATION: PONTIAC MOTOR DIVISION, GMC — PONTIAC, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 124-84
DETERMINATION MADE BY MICHIGAN DNR (AGENCY)
LYNN FIEDLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- ESTIMATED DATE OF START-UP-- 1986
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	443.00 MMBTU/H	PM	0.0500 LB/MMBTU FABRIC FILTER	BACT
		SO2	1.2000 LB/MMBTU LIMESTONE ADDITION	BACT 90.00
		NOX	0.5000 LB/MMBTU	BACT
MATL HANDLING, ASH		PM	0.0300 GR/DSCF FABRIC FILTER	BACT
MATL HANDLING, LIMESTONE		PM	0.0300 GR/DSCF FABRIC FILTER	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: PRATT & WHITNEY, UTC — EAST HARTFORD, CT
PENT ROAD

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 053-0045
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
(203)-566-8230 (PHONE)
DATE OF PERMIT ISSUANCE-- 06/20/89
ESTIMATED DATE OF START-UP-- 1989

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
ENGINE, TEST TURBINE	240.00 MMBTU/H	PM	0.0100 LB/MMBTU GAS FIRING
			0.0130 LB/MMBTU JET A FIRING
		SOX	0.0010 LB/MMBTU GAS FIRING
			0.0390 LB/MMBTU JET A FIRING
		NOX	0.2910 LB/MMBTU GAS FIRING
			0.7910 LB/MMBTU JET A FIRING
		VOC	0.0300 LB/MMBTU GAS FIRING
			0.0140 LB/MMBTU JET A FIRING
		CO	0.0810 LB/MMBTU GAS FIRING
			0.0470 LB/MMBTU JET A FIRING
		PB	2.5600 E-5 LB/MMBTU

NOTES --------
FIRES NATURAL GAS OR JET A FUEL. OPERATING HOURS 400 H/YR, 52 GAS & 348 H/YR JET.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION PRATT & WHITNEY, UTC
400 MAIN ST. EAST HARTFORD, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 053-0047
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/22/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN	2.31 LB/H LUCITE	VOC	0.0043 LB/H	INCINERATOR	99.90

(#) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: PRATT & WHITNEY, UTC, AIRCRAFT RD, MIDDLETOWN, CT 06457

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 104-0062
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 07/07/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
ENGINE, GAS TURBINE	238.00 MMBTU/H	PM	0.0130 LB/MMBTU
		SOX	0.0390 LB/MMBTU
		NOX	0.7910 LB/MMBTU
		VOC	0.0140 LB/MMBTU
		CO	0.0470 LB/MMBTU
		PB	2.5600 E-5 LB/MMBTU

NOTES ---------
MAXIMUM OPERATING HOURS - 350 H/YR.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 200.00 LB/H

COMPANY NAME/SITE LOCATION: RIMER ENTERPRISES, INC. — WATERVILLE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-369
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
JEFFREY THADDLE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/10/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SHOT BLAST, STEEL	200.00 LB/H	PM	0.0200 LB/H FABRIC FILTER	SIP 96.00

NOTES --------
STEEL SHOT BLAST MACHINE USING STEEL SHOT. MANUFACTURED BY WHEELABRATOR CO.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION: ROCKWELL INTERNAT. MICRO ELECT. R&D FAC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 1291
DETERMINATION MADE BY VENTURA COUNTY APCD (AGENCY)
STAN COHEN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/22/85
ESTIMATED DATE OF START-UP-- 1985
(805)-654-2458 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SEMICONDUCTOR MFG., POS. RESIST*	12500.00 WAFERS/YR	ACI*	0.1100 LB/H 0.2300 T/YR STACK #1 PACKED H2O SCRUBBER	
		VOC	1.5800 LB/H 3.2900 T/YR POS. PHOTO RESIST PROCESS	
REGENERATOR, KATHABAR	12500.00 WAFERS/D	LIT*	5.0000 EE-4 LB/H RECLAIM LITHIUM-CHLORIDE W/MIST ELIMINATOR	
BOILER, GAS FIRED	50.00 HP	NOX	0.0400 LB/H 0.1800 T/YR LOW NOX CERAMIC BURNERS	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION ROCKWELL INTERNATIONAL CORP. , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 172065
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
M. POLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6122 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MFG STATION, SEMICONDUCTOR, SEE#	17.60 KN TOTAL	ROC	13.2200 LB/D	14 DISPOSABLE CARBON CANISTERS	BACT 90.00

NOTES ---------
STATION CONSISTS OF EIGHT PHOTORESIST MACHINES.

(#) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: GENERAL MANUFACTURING AND FABRICATION — 50.00 LB/H

COMPANY NAME/SITE LOCATION: SHELLER-GLOBE CORP. TECHNICAL OPERATION CENTER — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-350
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
(419)-693-0350 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/03/86
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SPRAY BOOTH, MOLD RELEASE COMPO*	0.05 GAL/H	VOC	0.1000 GAL/H	MAX OF 0.1 GAL/H MOLD RELEASE COMPOUND APPLIED	SIP
BATH, MOLTEN SALT	50.00 LB/H	PM		NOT APPLICABLE ELECTRIC SALT BATH	SIP
OVEN, GAS FIRED	50.00 LB/H	PM	0.0200 LB/MMBTU	GAS FIRING	SIP

NOTES --------
PVC MOLDING OPERATION

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/02/1987

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION SMITH-RICE CO. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 185702
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
KIEN HUYNH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6360 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., DIESEL FIRED	2100.00 HP	NOX	90.9000 LB/D	SCR	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION TEK-MOTIVE, INC. EAST HAVEN, CT 06512
29 BAER CIRCLE

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 054-0012
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/12/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
OVEN	1200.00 LB/2.1 H				
		PM	0.0170 LB/H		
		SOX	0.0040 LB/H		
		NOX	0.0810 LB/H		
		VOC	0.0070 LB/H		
		CO	0.0400 LB/H		

NOTES --------
OPERATING TEMPERATURES - PRIMARY CHAMBER - 700 F, SECOND CHAMBER - 1400 F. MINIMUM RESIDENCE TIME - 0.9 SECOND.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION THISTLE ROLLER CO. INC. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 149915
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
ED MUEHLBACHER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 02/17/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6124 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLASTING SYSTEM, ABRASIVE	1620.00 LB/H	PM	3.3000 LB/H PER RULE 405	BAGHOUSE	BACT

NOTES --------
THE EQUIPMENT IS OPERATED 10 H/D, MAXIMUM. THIS IS NOT A PERMIT CONDITION.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

ID NUMBER CA-0205

SOURCE TYPE CODE 11.0

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION 500.00 PIECES/H

COMPANY NAME/SITE LOCATION VALENITE METALS - GTE WHITEHOUSE, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-331
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
MILLIAN GARBER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/04/86
ESTIMATED DATE OF START-UP-- 1986
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TOOL GRINDING, STEEL/CARBIDE	500.00 PIECES/H	PM	0.0100 LB/H CYCLONE DUST COLLECTOR	SIP 99.20

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE/SIZE GENERAL MANUFACTURING AND FABRICATION

COMPANY NAME/SITE LOCATION XEROX CORP. , CA

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. SEE NOTES
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY) M. POLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(818)-572-6122 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MFG STATION, SEMICONDUCTOR PHOT*	133.00 KM	ROC	30.0000 LB/D	THERMAL OXIDIZER, ESP	BACT 90.00

NOTES --------
PERMIT NUMBERS - 178490, 178491, 177299, 177300, ALL EXISTING. PERMIT NUMBERS - 177676, 177677, 202335, ALL PROPOSED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990
SOURCE TYPE CODE 11.0

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: AMOCO RESEARCH CENTER — NAPERVILLE, IL

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 89030015
DETERMINATION MADE BY ILLINOIS EPA (AGENCY)

C. ROMAINE (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/12/90
ESTIMATED DATE OF START-UP--
(217)-782-2113 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, NAT GAS FIRED	96.00 MMBTU/H	NOX	49.0000 PPM AT 15% O2 0.8000 LB WATER/LB FUEL WATER INJECTION	BACT
BURNER, DUCT	34.00 MMBTU/H	NOX	0.1000 LB/MMBTU	BACT

NOTES ---------
POTENTIAL EMISSIONS OF NOX - 88 T/YR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION BRISTOL HOSPITAL, INC. BRISTOL, CT
BREMSTER RD

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 026-0031
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/24/89
ESTIMATED DATE OF START-UP-- 1984
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
GENERATOR, EMERGENCY, DIESEL FI*	7.14 MMBTU/H	PM	0.1000 LB/MMBTU
		SOX	0.2200 LB/MMBTU
		NOX	3.3500 LB/MMBTU
		VOC	0.7300 LB/MMBTU
		CO	0.2300 LB/MMBTU
		PB	3.0000 E-6 LB/MMBTU

NOTES --------
MAXIMUM OPERATING HOURS - 100 H/YR 0.3% SULFUR CONTENT #2 OIL.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION CALIFORNIA DEPT. OF CORRECTIONS , CA
KINGS COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 8703
DETERMINATION MADE BY KINGS COUNTY APCD (AGENCY)
MARTIN KEAST (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/08/86
ESTIMATED DATE OF START-UP-- 1987
(209)-584-1411 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS, CSC-4500, 2 NET	5.10 MW	NOX	38.0000 PPMV AT 15% O2 H2O INJ. AT RATE 1LB H2O TO 1LB FUEL	

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/05/1987

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: CALIFORNIA DEPT. OF CORRECTIONS
CORCORAN PRISON COGENERATION FACILITY , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 8715 A & B
DETERMINATION MADE BY KINGS COUNTY APCD (AGENCY)

MARK POINDEXTER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/18/87
ESTIMATED DATE OF START-UP-- 1988
(209)-584-1411 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, 2	71.30 MMBTU/H TOT*				
		NOX	81.6000 LB/D	NAT GAS	BACT
			250.0000 LB/D	#2 OIL	
				FLUE GAS RECIRCULATION	
		SO2	208.0000 LB/D		BACT
			0.1250 LB/MMBTU		
				LOW S FUEL, <0.12% S	

NOTES --------
LIMIT NOX EMISSIONS FOR 2 BOILERS PLUS I.C. ENGINES IS 250 LB/D. USE FUEL OIL ONLY IF NATURAL GAS IS NOT AVAILABLE. IF FUEL WI TH > 0.12% SULFUR IS USED, THEN SO2 EMISSIONS ARE LIMITED TO 150 LB/D.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: CALIFORNIA DEPT. OF CORRECTIONS
CORCORAN PRISON COGENERATION FACILITY , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 8715 C & D
DETERMINATION MADE BY KINGS COUNTY APCD (AGENCY)
MARK POINDEXTER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/18/87
ESTIMATED DATE OF START-UP-- 1988
(209)-584-1411 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
ENGINE, I.C., 2 TOTAL	31.46 MMBTU/H	NOX	167.2000 LB/D TOTAL 0.8100 LB/MMBTU LEAN BURN IGNITION SYSTEM

NOTES --------
LIMIT FOR NOX EMISSIONS FROM ENGINES PLUS 2 BOILERS IS 250 LB/D.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: CALIFORNIA DEPT. OF CORRECTIONS
CORCORAN PRISON COGENERATION FACILITY , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 7815 C & D
DETERMINATION MADE BY KINGS COUNTY APCD (AGENCY)
MARK POINDEXTER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/18/87
ESTIMATED DATE OF START-UP-- 1988
(209)-584-1411 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., 2, & GENERATOR	31.46 MMBTU/H	NOX	167.2000 LB/D TOTAL 0.2200 LB/MMBTU LEAN BURN IGNITION SYSTEM	

NOTES --------
LIMIT FOR NOX EMISSIONS FROM ENGINES PLUS TWO BOILERS IS 250 LB/D.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION CALIFORNIA INSTITUTE OF TECHNOLOGY , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 124694 & 149142
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

BRIAN YEH (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/20/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6256 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE/GENERATOR	4.29 MW	NOX	72.0000 LB/D		BACT
			9.0000 PPMVD AT 15% O2		
				SELECTIVE CATALYTIC REDUCTION	80.00
				H2O INJECTION	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL 175.00 LB/H

COMPANY NAME/SITE LOCATION CHESAPEAKE GENERAL HOSPITAL CHESAPEAKE, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 60339
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/07/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, HOSPITAL WASTE	175.00 LB/H	PM	0.1000 GR/DSCF	AFTERBURNER	

NOTES --------
TO INSTALL A NEW CONSUMAT INCINERATOR. IT IS LIMITED TO 84 T/YR OF HOSPITAL WASTE, OPERATING 8 H/D. PRIMARY CHAMBER MINIMUM TEMP IS 1400F & SECONDARY CHAMBER MIN TEMP IS 1800F. COMBUSTIBLE GASES HAVE A MIN RESIDENCE TIME OF 1 SEC IN THE SECONDARY CHAMBER. OPACITY LIMIT IS 5%. BECAUSE OF SMALL SIZE, <2000 LB/D, STACK TESTING & HYDROGEN CHLORIDE CONTROLS ARE NOT REQUIRED.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.
DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION CONCORD FABRICS, INC. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 150956
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

S. BARROS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/29/86
ESTIMATED DATE OF START-UP-- 1987
(714)-877-2362 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
DRYING EQUIPMENT	4.00 MMBTU/H	PM	17.0000 LB/D	ESP	BACT 90.00

NOTES --------
OPERATING LIMIT - 24 H/D, 6 D/WK, 50 WK/YR

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: CONCORD FABRICS, INC. , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 150957
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

S. BARROS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 12/29/86
ESTIMATED DATE OF START-UP-- 1987
(714)-877-2362 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
PIN TENTER	9.45 MMBTU/H	PM	22.0000 LB/D ESP	BACT 90.00

NOTES --------
OPERATING LIMIT - 24 H/D, 6 D/WK, 50 WK/YR

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: CONNECTICUT MUTUAL LIFE INSURANCE, HARTFORD, CT
140 GARDEN ST.

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 075-0077
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)

SUSAN AMARELLO (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 08/09/89
ESTIMATED DATE OF START-UP-- 1988
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
ENGINE, DIESEL FIRED	10.50 MMBTU/H		
		PM	0.1000 LB/MMBTU
		SOX	0.0660 LB/MMBTU
		NOX	3.3500 LB/MMBTU
		VOC	0.2290 LB/MMBTU
		CO	0.7290 LB/MMBTU
		PB	3.0000 E-6 LB/MMBTU

NOTES --------
OPERATING HOURS NOT TO EXCEED 100 H/YR #2 OIL WITH 0.065% SULFUR CONTENT.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: CONNECTICUT MUTUAL LIFE INSURANCE, 140 GARDEN ST, HARTFORD, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 075-0077
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
SUSAN AMARELLO (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/14/88
ESTIMATED DATE OF START-UP-- 1988
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
GENERATOR, DIESEL FIRED	10.50 MMBTU/H	PM	0.1000 LB/MMBTU
		SOX	0.0660 LB/MMBTU
			SEE NOTES
		NOX	3.3500 LB/MMBTU
		VOC	0.2290 LB/MMBTU
		CO	0.7290 LB/MMBTU
		PB	3.0000 E-6 LB/MMBTU
		H2S*	0.0011 LB/MMBTU

NOTES --------
#2 OIL WITH MAXIMUM SULFUR CONTENT OF 0.065% & OPERATING HOURS NOT TO EXCEED 100 HOURS/YEAR.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: CYCLEAN, INC. , CA

DETERMINATION IS
PERMIT NO. 182176
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)

BILL BEHJAT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP--
(818)-572-6167 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RECYCLING SYSTEM, ASPHALT PAVEM*	44.00 MMBTU/H	PM	16.4800 LB/D	BAGHOUSE	BACT 99.99

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION FOLSOM PRISON , CA SACRAMENTO COUNTY

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 8350-1,8379-80
DETERMINATION MADE BY SACRAMENTO COUNTY APCD (AGENCY)
A. KENNARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/12/86
ESTIMATED DATE OF START-UP-- 1986
(916)-336-2107 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
BOILER, 2 EA	48.00 MMBTU/H	NOX	40.0000 PPMVD AT 3% O2 FLUE GAS RECIRCULATION

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION GESCO INTERNATIONAL SAN ANTONIO, TX

BEXAR COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 17275
DETERMINATION MADE BY TEXAS ACB (AGENCY)
KAREN HORNE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/12/86
ESTIMATED DATE OF START-UP-- 1987
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STERILIZATION UNIT					
		ETH*	0.0100 T/YR		BACT
				SCRUBBER	99.00
		CCL*	10.2000 T/YR		
FUGITIVES					
		ETH*	0.0700 T/YR		BACT
		CCL*	0.5000 T/YR		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 02/29/1988

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION GRIFFITH MICRO SCIENCE, INC. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. M16494
DETERMINATION MADE BY COUTH COAST AQMD (AGENCY)

SUSAN TSAI (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 04/06/81
ESTIMATED DATE OF START-UP--
(818)-307-3564 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
RETORT, STERILIZATION, 8		ETH*	44.0000 LB/D	PACKED ADSORPTION TOWER	BACT 99.90

NOTES --------
THE SOURCES WERE ISSUED PERMITS TO OPERATE ON 9/18/80 & 4/6/81. THE CONTROL EQUIPMENT, APPLICATION NO. 183436, WAS ISSUED A PE
RMIT TO CONSTRUCT ON 8/10/89, ESTIMATED STARTUP DATE IS 10/1/89.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: HARTFORD INSURANCE CO. 200 HOPEMEADOW ST. SIMSBURY, CT

DETERMINATION IS BACT
PERMIT NO. 165-0008
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
ERNEST BOUFFARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/30/89
ESTIMATED DATE OF START-UP-- 1984
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, EMERGENCY STANDBY, D*	10.20 MMBTU/H				
		PM	0.1100 LB/MMBTU		
		NOX	5.0000 T/YR		
			LIMIT HRS OF OPERATION		

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION IOWA STATE UNIVERSITY AMES, IA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY)
DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 12/15/86
ESTIMATED DATE OF START-UP--
(913)-551-7020 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, 2 EA	235.00 MMBTU/H	NOX	0.4000 LB/MMBTU, 3 H AVG	BACT
			BOILER DESIGN	
		SO2	1.0000 LB/MMBTU, 30 D AVG	BACT
			1.4200 LB/MMBTU, 3 H ROLLING AVG	90.00
			FBC, LIMESTONE	BACT
		CO	0.1450 LB/MMBTU, 3 H AVG	
			BOILER OPERATION	BACT
		F	0.0390 LB/MMBTU, 3 H AVG	BACT
		PB	1.5000 EE-3 LB/MMBTU, 3 H AVG	BACT
		BE	0.6000 EE-3 LB/MMBTU, 3 H AVG	

NOTES --------
TWO CIRCUL. FLUIDIZED BED COMBUSTION BOILERS. IA COAL WILL BE USED. BAGHOUSE-EQUIPPED. DEMINIMIS RE- PM.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: K.I. SAWYER AFB — MARQUETTE, MI

DETERMINATION IS
PERMIT NO. 914-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DHRUMAN SHAH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/17/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL/WOOD FIRED, 2 EA	65.00 MMBTU/H	PM	0.0500 LB/MMBTU BAGHOUSE	BACT 99.00
		SO2	1.4000 LB/MMBTU, SEE NOTE LIMIT THE COAL BEING FIRED	BACT
		NOX	0.3000 LB/MMBTU, WOOD 0.6000 LB/MMBTU, COAL	BACT
		CO	0.3000 LB/MMBTU	BACT

NOTES ---------
SO2 EMISSION RATE BASED ON RESTRICTED USAGE OF 1% S COAL AT 13600 BTU/LB. ANNUAL USAGE OF COAL IS 9048 TONS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: LEO P. GALLAGHER & SON, INC.
24 GARDEN ST. , CT

DETERMINATION IS BACT
PERMIT NO. 172-0046
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
ERNEST BOUFFARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/01/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
CREMATORY	100.00 LB/H	PM	0.0330 GR/DSCF AT 12% CO2 1800 DEG F SECONDARY CHAMBER TEMPERATURE

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

ID NUMBER CT-0038

SOURCE TYPE CODE 12.0

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION LOS ANGELES HARBOR GRAIN TERMINAL , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 153950
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
HERMAN EUGSTER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/28/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6245 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
MATL LOADING, BULK CONTAINERS	110.00 HP	PM	1.6000 LB/D	BACT
			0.0725 GR/DSCF	
			BAGHOUSE	99.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: MANSFIELD TRAINING SCHOOL, ROUTE 32 & 44, MANSFIELD DEPOT, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 098-0003 THRU 6
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
JOLENE CRANE (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 09/14/89
ESTIMATED DATE OF START-UP-- 1984
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, SPACE HEATING, OIL FIRED	4.80 MMBTU/H				
		PM	0.0480 LB/MMBTU	FUEL LIMITATION	
		SO2	1.0970 LB/MMBTU	FUEL LIMITATION	
		NOX	0.3790 LB/MMBTU	FUEL LIMITATION	
		VOC	0.0030 LB/MMBTU	FUEL LIMITATION	
		CO	0.0340 LB/MMBTU	FUEL LIMITATION	
		PB	2.9000 E-5 LB/MMBTU	FUEL LIMITATION	
		H2S*	0.0170 LB/MMBTU	FUEL LIMITATION	
BOILER, SPACE HEATING, OIL FIRE*	2.90 MMBTU/H				
		PM	0.0480 LB/MMBTU	FUEL LIMITATION	
		SO2	1.0970 LB/MMBTU	FUEL LIMITATION	
		NOX	0.3790 LB/MMBTU	FUEL LIMITATION	
		VOC	0.0030 LB/MMBTU	FUEL LIMITATION	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)					
		CO	0.0340 LB/MMBTU	FUEL LIMITATION	
		PB	2.9000 E-5 LB/MMBTU	FUEL LIMITATION	
		H2S*	0.0170 LB/MMBTU	FUEL LIMITATION	
BOILER, SPACE HEATING, OIL FIRE*	2.90 MMBTU/H				
		PM	0.0480 LB/MMBTU	FUEL LIMITATION	
		SO2	1.0970 LB/MMBTU	FUEL LIMITATION	
		NOX	0.3790 LB/MMBTU	FUEL LIMITATION	
		VOC	0.0030 LB/MMBTU	FUEL LIMITATION	
		CO	0.0340 LB/MMBTU	FUEL LIMITATION	
		PB	2.9000 E-5 LB/MMBTU	FUEL LIMITATION	
		H2S*	0.0170 LB/MMBTU	FUEL LIMITATION	
BOILER, SPACE HEATING, OIL FIRE*	2.20 MMBTU/H				
		PM	0.0510 LB/MMBTU	FUEL LIMITATION	
		SO2	1.1670 LB/MMBTU	FUEL LIMITATION	
		NOX	0.4040 LB/MMBTU	FUEL LIMITATION	
		VOC	0.0030 LB/MMBTU	FUEL LIMITATION	
		CO	0.0370 LB/MMBTU	FUEL LIMITATION	
		PB	3.1000 E-5 LB/MMBTU	FUEL LIMITATION	
		H2S*	0.0180 LB/MMBTU	FUEL LIMITATION	

NOTES ---------
MAX FUEL USAGE AS FOLLOWS - 4.8 MMBTU/H UNIT, 33.2 GAL/H, 45000 GAL/YR #4 FUEL OIL AT 1%S - 2.9 MMBTU/H UNITS, 20 GAL/H, 48000 GAL/YR #4 FUEL OIL AT 1%S - 2.2 MMBUT/H UNIT, 16.5 GAL/H, 15000 GAL/YR #4 FUEL OIL AT 1% S.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE. DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION MCCLELLAN AFB, U.S. GOVERNMENT , CA
SACRAMENTO COUNTY

DETERMINATION IS FOR A MODIFIED SOURCE.
PERMIT NO. 8184 & 8186
DETERMINATION MADE BY SACRAMENTO COUNTY APCD (AGENCY)
A. KENNARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/29/86
ESTIMATED DATE OF START-UP--
(916)-366-2107 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS ... & BASIS CONTROL EQUIPMENT OR PROCESS MODIFICATION ... PCT EFF
BOILER	62.00 MMBTU/H	NOX	40.0000 PPMVD AT 3% O2 LOW NOX BURNERS FLUE GAS RECIRCULATION

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/11/1987

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION MICHIGAN STATE UNIVERSITY EAST LANSING, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 748-87
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
DHRUMAN SHAH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/21/88
ESTIMATED DATE OF START-UP-- 1989
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CFB	460.00 MMBTU/H	PM	0.0300 LB/MMBTU	BAGHOUSE	BACT 99.10
		SO2	0.6000 LB/MMBTU 30D AVG 0.7400 LB/MMBTU 24H AVG	LIMESTONE INJ.	BACT 90.00
		NOX	0.5000 LB/MMBTU 30D AVG	COMBUSTION CONTROLS DESIGN & OPERATION	BACT
		CO	0.2000 LB/MMBTU	COMBUSTION CONTROLS DESIGN & OPERATION	BACT

NOTES --------
NATURAL GAS AS AN ALTERNATIVE FUEL FOR BACKUP PURPOSES

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL 255.00 T/H

COMPANY NAME/SITE LOCATION OBICI HOSPITAL , VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 60038
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)

JACK SCHUBERT (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 01/05/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, WASTE FIRED CLEAVE*	255.00 LB/H	PM	0.1000 GR/DSCF AT 12%CO2		
			0.4000 LB/H	AFTERBURNER	
		PM10	0.4000 LB/H		
			0.5000 T/YR	AFTERBURNER	
		HCL	149.0000 LB/D	AFTERBURNER	

NOTES ---------
VISIBLE EMISSIONS ARE LIMITED TO 5% OPACITY. PRIMARY CHAMBER TEMPERATURE MUST REACH MINIMUM OF 1400F. SECONDARY CHAMBER SHALL BE AT MINIMUM OF 1800F & SHALL BE DESIGNED FOR 1 SECOND RETENTION TIME.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION PURDUE UNIVERSITY WEST LAFAYETTE, IN

DETERMINATION IS
PERMIT NO. PC (79) 1480
DETERMINATION MADE BY INDIANA DEM (AGENCY)

ANNE HEIGHWAY (AGENCY CONTACT PERSON)
(317)-232-8457 (PHONE)

DATE OF PERMIT ISSUANCE-- 06/06/88
ESTIMATED DATE OF START-UP--- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CIRCUL. FLUID BED	279.00 MMBTU/H				
		PM	0.0800 LB/MMBTU		NSPS
				BAGHOUSE	99.70
		SO2	1.2000 LB/MMBTU		NSPS
			90.0000 % REMOVAL		
				CIRCULATING FLUIDIZED BED	90.00
				ALKALI INJECTION	
		SO2	0.0900 LB/MMBTU, 30D ROLL AVG		
			1.1000 LB/MMBTU, BLOCK 24H AVG		
		NOX	0.4000 LB/MMBTU		NSPS
		CO	0.2700 LB/MMBTU		
		VE	20.0000 % OPACITY		NSPS

NOTES --------
FACILITY WAS GRANTED AN EXEMPTION FROM PSD REVIEW BECAUSE IT IS A NON-PROFIT EDUCATIONAL INSTITUTION. CO & ALTERNATE SO2 UNITS PROPOSED BY PURDUE. ADDITIONAL CONTACT DAVE ZELL AT 317-232-8456.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL — 500.00 LB/H

COMPANY NAME/SITE LOCATION: RIVERSIDE HOSPITAL — TOLEDO, OH

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 04-407
DETERMINATION MADE BY TOLEDO ENVIRONMENTAL SERVICES (AGENCY)
DALE KRYGIELSKI (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1989
(419)-693-0350 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR	475.00 LB/H	PM	0.1000 LB/100LB WASTE 2000 DEG F & 2 SEC RESIDENCE TIME	SIP
		HCL	4.0000 LB/H 2000 DEG F & 2 SEC RESIDENCE TIME	SIP
		NOX	6.0000 LB/T WASTE 2000 DEG F & 2 SEC RESIDENCE TIME	SIP

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/09/1987

SOURCE TYPE CODE 12.0

ID NUMBER OH-0158

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION RUSSELL COUNTY PUBLIC SCHOOLS , VA
CLEVELAND COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 10311
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
RENALDO JENKINS (AGENCY CONTACT PERSON)
(804)-786-4867 (PHONE)
DATE OF PERMIT ISSUANCE-- 12/05/84
ESTIMATED DATE OF START-UP-- 1986

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	250.00 LB/H				
		PM	0.4000 LB/MMBTU		
			1.3200 LB/H		
				OVERFIRE AIR	50.00
		VOC	3.2600 LB/H		
			1.1700 T/YR		
		NOX	1.4300 LB/H		
			0.5100 T/YR		
		CO	1.6500 LB/H		
			0.6000 T/YR		

NOTES ---------
TO INSTALL A COAL FIRED REPLACEMENT BOILER. RATED INPUT CAPACITY = 3300000 BTU/H

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION SAN DIEGO MARRIOTT HOTEL - TOWER I , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 850810
DETERMINATION MADE BY SAN DIEGO COUNTY APCD (AGENCY)
BOB BATTEN (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 03/09/87
ESTIMATED DATE OF START-UP--
(619)-694-3316 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., & GENERATOR	1150.00 BHP	NOX	1.4000 G/BHP-H		BACT
			100.0000 LB/D		
				SCR IF COST EFFECTIVE	92.00
				LEAN BURN AT 1.4 G/BHP-H	
		CO	116.0000 LB/D		
			634.0000 PPMV AT 3% O2		

NOTES --------
SCR COST EXCEEDS DISTRICT CURRENT $3.75/LB OF NOX REDUCTION CRITERION, ANNUALIZED. THEREFOR THE ADDITIONAL CONTROL IS NOT COST EFFECTIVE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/01/1989

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION SEAMLESS HOSPITAL PRODUCTS . EL PASO, TX

EL PASO COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 9538
DETERMINATION MADE BY TEXAS ACB (AGENCY)

LOUIS ROBERTS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 03/15/85
ESTIMATED DATE OF START-UP-- 1985
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STERILIZATION	SEE NOTE	ETH*	0.3000 LB/H	VENTURI SCRUBBER	99.00

NOTES --------
PROCESS STERILIZES VARIETY OF HOSPITAL PRODUCTS. DESIGN CAPACITY IS DIFFICULT TO QUANTIFY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 11/25/1985

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: SYRACUSE UNIVERSITY
PROJECT ORANGE ASSOCIATES — SYRACUSE, NY

DETERMINATION IS
PERMIT NO.
DETERMINATION MADE BY NEW YORK STATE DEC (AGENCY)
JAMES HARRINGTON (AGENCY CONTACT PERSON)
(518)-457-2044 (PHONE)
DATE OF PERMIT ISSUANCE-- 09/01/89
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS FIRED	79.00 MW				
		NOX	25.0000	PPM, GAS STEAM INJECTION	
		PM10	0.0200	LB/MMBTU COMBUSTION CONTROL	
		VOC		SEE NOTES CATALYTIC OXIDATION	
		CO	0.1700	LB/MMBTU, SEE NOTE CATALYTIC OXIDATION	
BURNER, DUCT	180.00 MMBTU/H				
		NOX	0.1000	LB/MMBTU COMBUSTION CONTROL	
		PM10	0.0200	LB/MMBTU COMBUSTION CONTROL	
		VOC		SEE NOTES CATALYTIC OXIDATION	
		CO	0.1600	LB/MMBTU CATALYTIC OXIDATION	

NOTES --------
WHEN THE AMBIENT TEMPERATURE IS AT OR BELOW 20F, TURBINE CO EMISSIONS ARE LIMITED TO 0.35 LB/MMBTU. VOC EMISSIONS ARE LIMITED TO 110% OF VALUE MEASURED DURING COMPLIANCE TEST.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/31/1989

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION TELEDYNE CAST PRODUCTS , CA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 159346
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
KIEN HUYNA (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/15/87
ESTIMATED DATE OF START-UP-- 1987
(818)-572-6360 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BLASTING MACHINE, ABRASIVE	69.00 HP	PM	4.0500 LB/D BAGHOUSE	BACT 98.00

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/02/1988

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION THE UNIVERSITY OF IOWA IOWA CITY, IA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO.
DETERMINATION MADE BY EPA REGION VII (AGENCY)
DANIEL RODRIGUEZ (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 06/09/87
ESTIMATED DATE OF START-UP--
(913)-551-7020 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, MSFBC	223.00 MMBTU/H			
		NOX	0.4000 LB/MMBTU, 30 D AVG	BACT
			BOILER DESIGN	
		SO2	1.0000 LB/MMBTU, 3 H ROLLING AVG	BACT
			FBC, LIMESTONE	90.00
		CO	0.3000 LB/MMBTU, 3 H AVG	BACT
			BOILER OPERATION	
		F	4.5000 EE-3 LB/MMBTU	BACT

NOTES --------
A MULTISOLID CIRCUL. FLUIDIZED BED COMBUSTION, MSFBC, BOILER W/AIR PREHEAT. BOILER #11

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 09/11/1987

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION U.S. ARMY
FORT BELVIOR , VA
FAIRFAX COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 70550
DETERMINATION MADE BY VIRGINIA DAPC (AGENCY)
JACK SCHUBERT (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 01/25/89
ESTIMATED DATE OF START-UP-- 1989
(804)-786-0172 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, MULTICHAMBER, TYPE*	1050.00 LB/H	PM	0.0800	GR/DSF AT 12% CO2 SECONDARY CHAMBER	
		PM10	0.0800	GR/DSF AT 12% CO2 SECONDARY CHAMBER	

NOTES ---------
INCINERATED MATERIALS WILL BE LIMITED TO 10000 LB/D, 500 LB OF WHICH IS THE MAXIMUM ALLOWABLE AMOUNT OF MAGNETIC TAPE TO BE CONSUMED. OPACITY LIMIT FOR STACK EMISSIONS IS 5%.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/24/1989

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: U.S. DEPT. OF ENERGY
PROSPECT HILL RD
WINDSOR, CT

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 212-0058
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)

SUSAN AMARELLO (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/28/90
ESTIMATED DATE OF START-UP-- 1990
(203)-566-9230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
GENERATOR, DIESEL FIRED	16.00 MMBTU/H	PM	0.1000 LB/MMBTU 250 H/YR MAX OPERATION	
		SOX	0.5500 LB/MMBTU .5% S & OPERATING HOURS	
		NOX	3.6500 LB/MMBTU OPERATING HOURS	
		VOC	0.0950 LB/MMBTU OPERATING HOURS	
		CO	0.9500 LB/MMBTU OPERATING HOURS	
		PB	1.5300 E-5 LB/MMBTU 0.5 PPM PB CONTENT	
		HZS*	8.9000 E-3 LB/MMBTU OPERATING HOURS	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: U.S.NAVY BASE, NORTHERN DIVISION SUBMARINE BASE — GROTON, CT

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. 070-0074
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)

JOSEPH ULEVICUS (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/07/90
ESTIMATED DATE OF START-UP--
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, WATER TUBE, OIL FIRED	98.00 MMBTU/H				
		PM	0.0500 LB/MMBTU	COMBUSTION METHODS	
		SOX	0.5300 LB/MMBTU	0.5% S OIL	50.00
		NOX	0.2000 LB/MMBTU	LOW NOX BURNERS	33.00
		VOC	0.0017 LB/MMBTU	COMBUSTION METHODS	
		CO	0.0300 LB/MMBTU	COMBUSTION METHODS	
		PB	2.4800 E-5 LB/MMBTU	COMBUSTION METHODS	

(W) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: UNIVERSITY OF MICHIGAN — ANN ARBOR, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 275-89
DETERMINATION MADE BY MICHIGAN DNR AQD (AGENCY)
DAVID YANOCHKO (AGENCY CONTACT PERSON)
(517)-373-7023 (PHONE)
DATE OF PERMIT ISSUANCE-- 10/17/89
ESTIMATED DATE OF START-UP-- 1990

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
TURBINE, GAS, 2 EA	3.70 MW	NOX	114.8000 PPMV, OIL FIRED		BACT
			53.3000 PPMV, GAS FIRED	H2O INJ. RATIO, M/F=0.3 F.O., 0.5 GAS	53.00
		SO2	0.3100 LB/MMBTU	LOW S FUEL OIL	BACT
BURNER, SUPPLEMENTAL, 2	65000.00 LB/H STEAM	NOX	0.1000 LB/MMBTU	LOW NOX BURNER	BACT

NOTES --------
PPMV IS CORRECTED TO 15% O2, ON A DRY GAS BASIS. WATER INJECTION RATIOS WERE CHOSEN TO MINIMIZE INCREASE IN CO EMISSIONS. FUEL OIL USED AS STANDBY FUEL IN GAS TURBINE ONLY.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990
SOURCE TYPE CODE 12.0

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL 2500.00 LB/H

COMPANY NAME/SITE LOCATION UNIVERSITY OF TEXAS MEDICAL BRANCH AT G* GALVESTON, TX
GALVESTON COUNTY

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 14773
DETERMINATION MADE BY TEXAS ACB (AGENCY)
JAMES CROCKER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/08/88
ESTIMATED DATE OF START-UP-- 1989
(512)-451-5711 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, 2 EA		VOC	1.5000 T/YR		B/H
				SCRUBBER	99.00
		NOX	45.2000 T/YR		
		SO2	8.8000 T/YR		
		PM	4.4000 T/YR		
		CO	33.3000 T/YR		
		HCL	4.8000 T/YR		

NOTES --------
HCL=HYDROGEN CHLORIDE

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 12/15/1988

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION UNIVERSITY OF VIRGINIA CHARLOTTESVILLE, VA

DETERMINATION IS B/N FOR A NEW SOURCE.
PERMIT NO. (3)40200
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
TOM CREASY (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 08/22/86
ESTIMATED DATE OF START-UP-- 1986
(804)-784-4867 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, #1	5500.00 T/YR				
		PM	0.4500 LB/MMBTU		
			22.5600 LB/H		
				MULTIPLE CYCLONE	80.00
		SO2	1.6400 LB/MMBTU		
			82.1200 LB/H		
		VOC	0.1300 LB/H		
			0.1900 T/YR		
		NOX	0.6000 LB/MMBTU		
			30.0000 LB/H		
		CO	0.1900 LB/MMBTU		
			9.4000 LB/H		
BOILER, COAL FIRED, #5	8670.00 T/YR				
		PM	0.4500 LB/MMBTU		
			40.5600 LB/H		
				MULTIPLE CYCLONES	80.00
		SO2	1.6400 LB/MMBTU		
			147.6400 LB/H		
		VOC	0.2400 LB/H		
			0.3000 T/YR		
		NOX	0.6000 LB/MMBTU		
			53.9400 LB/H		
		CO	0.1900 LB/MMBTU		
			16.9000 LB/H		
BOILER, #6 OIL FIRED, #4	103760.00 GAL/YR				

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
SAME PROCESS (CONTINUED)		PM	0.1500 LB/MMBTU		
			17.2500 LB/H		
		SO2	2.0900 LB/MMBTU		
			23.5500 LB/H		
		VOC	0.5700 LB/H		
			0.0900 T/YR		
		NOX	0.4500 LB/MMBTU		
			50.2500 LB/H		
		CO	0.0400 LB/MMBTU		
			4.5000 LB/H		
BOILER, COAL FIRED, 8S	4596.00 T/YR	PM	5.0000 EE-3 LB/MMBTU		
			5.6300 LB/H	BAGHOUSE	99.40
		SO2	1.6400 LB/MMBTU		
			184.7700 LB/H		
		VOC	0.3000 LB/H		
			0.1600 T/YR		
		NOX	0.6000 LB/MMBTU		
			67.5100 LB/H		
		CO	0.1900 LB/MMBTU		
			21.1500 LB/H		
BOILER, COAL FIRED, 82R	9741.00 T/YR	PM	0.0500 LB/MMBTU		
			4.7500 LB/H	BAGHOUSE	99.40
		SO2	1.6400 LB/MMBTU		
			155.9400 LB/H		
		VOC	0.2500 LB/H		
			0.3500 T/YR		
		NOX	0.6000 LB/MMBTU		
			57.0000 LB/H		
		CO	0.1900 LB/MMBTU		
			18.2500 LB/H		

NOTES ---------
ANNUAL FUEL USAGE LIMITS FOR PHASE 1, STAGE 1 & PHASE 2, STAGE 2. EMISSIONS ALLOWED DIFFER FOR PHASE 1, STAGE 1 & PHASE 1, STA
GE 2. 70.0MCU FT NAT. GAS ALLOWED FOR UNITS 2R,3,4,5. 1.2% SULFUR & 6% ASH COAL. 2% SULFUR OIL. OPERATION LIMITED TO 3
COAL BOILERS AT ANY ONE TIME. TESTING REQUIRED FOR TOTAL SUSPENDED PARTICULATES, SULFUR DIOXIDE, & NITROGEN OXIDES.

(W) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/15/1987

SOURCE TYPE/SIZE INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION VA DEPT. OF HIGHWAYS & TRANSPORTATION LYNCHBURG, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 30641
DETERMINATION MADE BY VIRGINIA APCB (AGENCY)
KATHERINE MILLER (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 11/20/86
ESTIMATED DATE OF START-UP-- 1987
(804)-786-1433 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, CLEAVER BROOKS	4.20 MMBTU/H	PM	0.3400 LB/H		
			0.1900 T/YR		
		SO2	7.9100 LB/H		
			4.5400 T/YR		
		VOC	1.8500 LB/H		
			1.0600 T/YR		
		CD	0.0100 LB/H		
			2.0000 EE-3 T/YR	BLENDED VIRGIN OIL	100.00
		CR	0.0100 LB/H		
			2.0000 EE-3 T/YR		
		BR	1.0000 EE-3 LB/H		
			0.0300 T/YR		
		AS	3.0000 EE-3 LB/H		
			2.0000 EE-3 T/YR		

NOTES ---------
OIL BURNED, INCLUDING USED, NOT TO EXCEED 32000 GAL/YR. SOURCE PERMITTED TO USE BLENDED USED OIL DUE TO OFF SPECIFICATION OF C D, 6.2 PPM. A CERTIFICATION OF ANALYSIS OF THE OIL IS REQUIRED FOR EACH SHIPMENT. APPROVED FUELS ARE #5 OIL & USED OIL. A 30/70 RATIO OF USED OIL TO TOTAL OIL IS REQUIRED IN HOLDING TANK. RECORD OF USED OIL BURNED IS REQUIRED. TESTS ARE TO BE PER FORMED ON THE CONTENTS OF THE HOLDING TANK BEFORE INITIAL BURN & AFTER EACH 4000 GAL INPUT TO TANK.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/28/1987

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: VANDENBERG AFB, STS PROGRAM , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. SEE NOTE
DETERMINATION MADE BY SANTA BARBARA COUNTY APCD (AGENCY)
DOUG GRAPPLE (AGENCY CONTACT PERSON)
(805)-964-8658 (PHONE)
DATE OF PERMIT ISSUANCE-- 04/08/85
ESTIMATED DATE OF START-UP--

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
LAUNCH PAD SERVICING, #V23	19080.30 LB/D	NOX	1.0000 LB/H	SCRUBBER	99.33
ORBITER MAINTANCE, #V19	19080.30 LB/D	NOX	1.0000 LB/H	SCRUBBER	97.30
FUEL SERVICING, PAYLOAD PREP., *	8000.00 LB/D	HYD*	0.1000 LB/H	SCRUBBER	99.99
SCRUBBER, WATER ASORB. MEDIUM	9133.50 LB/D HYDRAZ*	HYD*	0.1000 LB/H	SCRUBBER	99.99
LAUNCH PAD SERVICING, #V23	9133.50 LB/D HYDRAZ*	HYD*	0.1000 LB/H	SCRUBBER	99.99

NOTES --------
PERMIT NUMBERS 5621, 5622, 5624, 5625, 5626.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/04/1986

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: VANDERBILT UNIVERSITY, 24TH AVE., SOUTH — NASHVILLE, TN

DETERMINATION IS BACT FOR A MODIFIED SOURCE.
PERMIT NO. C-522
DETERMINATION MADE BY NASHVILLE & DAVIDSON CO. BPC (AGENCY) — PAUL BONTRAGER (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 06/11/87
ESTIMATED DATE OF START-UP--
(615)-327-9313 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER, COAL FIRED, 3 EA	99.00 MMBTU/H				
		PM	0.0500	LB/MMBTU	
			17.1500	LB/H	
				FABRIC FILTER	
		SO2	1.6200	LB/MMBTU	
			555.7000	LB/H	
				FABRIC FILTER	
				SULFUR CONTENT< 1.03% BY WT.	
		NOX	0.7000	LB/MMBTU	
			240.1000	LB/H	
				FABRIC FILTER	
		CO	0.1800	LB/MMBTU	
			61.7400	LB/H	
		ACI*	0.0200	LB/MMBTU	
			6.9000	LB/H	
				FABRIC FILTER	
				SULFUR CONTENT< 1.03% BY WT.	
		VE	10.0000	% OPACITY	

NOTES --------
TOTAL HEAT INPUT TO BOILERS #2-9 MUST BE < 343 MMBTU/H. TOTAL COAL CONSUMPTION MUST BE < 75000 T/YR, 12 MONTH ROLLING AVERAGE. FUEL INVENTORY PER BOILER #5-9 MUST BE KEPT. EXISTING BOILERS #2-6 TO BECOME STAND-BY UNITS.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL — 305.00 LB/H

COMPANY NAME/SITE LOCATION: VETERANS ADMINISTRATION MEDICAL CENTER — SALEM, VA

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 20477
DETERMINATION MADE BY VIRGINIA SAPCB (AGENCY)

TOM CREASY (AGENCY CONTACT PERSON)

DATE OF PERMIT ISSUANCE-- 02/12/88
ESTIMATED DATE OF START-UP-- 1988
(804)-786-0178 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
INCINERATOR, HOSPITAL	305.00 LB/H				
		PM	0.1000	GR/DSCF AT 12% CO2	
				AFTERBURNER	
		VE	5.0000	% OPACITY	
		HCL	365.0000	LB/D	
				STACK HT., FEED	

NOTES --------
PATHOLOGICAL/HOSPITAL INCINERATOR REPLACEMENT - 316 T/YR, PRIMARY TEMPERATURE = 1400 DEGREE F, SECOND TEMPERATURE = 1800 DEGRE E F AT 1 SECOND RESIDENCE TIME, TEMPERATURE MONITORS/RECORDERS, WASTE BURNING TIME LOG, FEED LOCK-OUT BELOW TEMPERATURE MINIMUM, NATURAL GAS AUXILIARY FUEL. TSP TESTING REQUIRED.

(*) INDICATES DATUM WAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 06/22/1988

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: WATERBURY HOSPITAL HEALTH CENTER, 64 ROBBINS ST, WATERBURY, CT

DETERMINATION IS BACT
PERMIT NO. 192-0105
DETERMINATION MADE BY CONNECTICUT DEP (AGENCY)
ERNEST BOUFFARD (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 10/12/89
ESTIMATED DATE OF START-UP-- 1989
(203)-566-8230 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
BOILER	36.00 MMBTU/H	PM		LIMIT HRS OF OPERATION	
		SO2	0.5000	% SULFUR FUEL GAS	
		CO		BURNER DESIGN	
		NOX		#4 OIL, BURNER DESIGN	

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 04/30/1990

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: WESTERN PACIFIC DREDGING CO. , CA

DETERMINATION IS FOR A NEW SOURCE.
PERMIT NO. 212138
DETERMINATION MADE BY SOUTH COAST AQMD (AGENCY)
KIEN HUYNH (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE--
ESTIMATED DATE OF START-UP-- 1990
(818)-572-6360 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS	CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
ENGINE, I.C., DIESEL FUELED	7040.00 HP				
		NOX	90.9000 LB/D	SCR	BACT
		PM	150.0000 LB/D		BACT
		RHC	75.0000 LB/D	NSCR	BACT

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/18/1990

SOURCE TYPE/SIZE: INSTITUTIONAL/COMMERCIAL

COMPANY NAME/SITE LOCATION: WURTHSMITH AFB, 379TH COMBAT SUPPORT GROUP, ASCODA, MI

DETERMINATION IS BACT FOR A NEW SOURCE.
PERMIT NO. 141-88
DETERMINATION MADE BY MICHIGAN DNR, AQD (AGENCY)
GREGORY EDWARDS (AGENCY CONTACT PERSON)
DATE OF PERMIT ISSUANCE-- 05/05/88
ESTIMATED DATE OF START-UP-- 1988
(517)-373-7023 (PHONE)

PROCESSES SUBJECT TO THIS PERMIT	THROUGHPUT CAPACITY	POLLUTANT EMITTED	EMISSION LIMITS / CONTROL EQUIPMENT OR PROCESS MODIFICATION	... & BASIS ... PCT EFF
STRIPPER, AIR	200.00 GAL/MIN H2O	VOC	0.0180 LB/H CATALYTIC INCINERATOR	BACT 95.00

NOTES --------
VOC EMITTED AS BENZENE.

(*) INDICATES DATUM HAS TRUNCATED FOR THIS TABLE.

DATE ENTERED/UPDATED: 05/01/1990